EUROTRANSPLANT

ENIS System User Manual
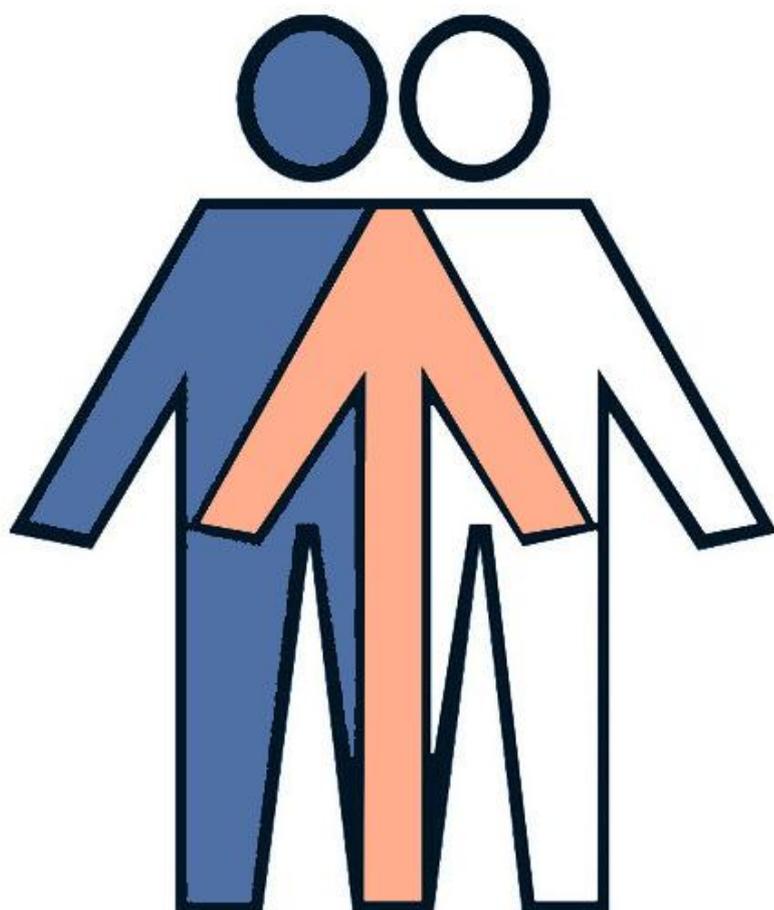
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Contents

Foreword

The Eurotransplant ENIS system is subject to continuous development and improvements. This guide provides all the necessary information to work with ENIS. In several releases during a year ENIS is remodeled and updated to serve each country and its legislation around organ donation. Off course this guide will be updated with each release when necessary.

The information contained in this User Guide is provided in good faith. However, Eurotransplant does not warrant the accuracy of that information and does not accept any liability for loss, damage or injury resulting from its use or from omissions from this manual.

Please take note of the following:
Any change in the configuration of your personal computer system, may jeopardize the functionality of the communications with the ENIS system. We advise you to consult our computer staff beforehand.

As with any computer system, problems may occur and usually do so unexpectedly. We advise you to frequently make back-up copies of your data. Our computer staff will be happy to advise you.

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Eurotransplant International Foundation.

All correspondence should be addressed to:

Eurotransplant International Foundation
P.O. Box 2304
2301 CH Leiden
The Netherlands
Phone: +31.71.5795700
Fax: +31.71.5790057

Introduction

Welcome to the Eurotransplant ENIS system

If you are a new user, this guide will help you through the first few sessions. It explains the basic concepts and will provide step by step instructions on how to operate the Eurotransplant ENIS system.

Overview of the Eurotransplant ENIS system describes the features of our system briefly.

How to use the ENIS system explains the basic operations required to operate the system, such as:

- connect and disconnect from the ENIS system
- how to navigate through the different forms (pages)
- how to enter information
- how to search and display information
- how to use the function keys

Recipient registration and update gives step by step procedures on how to enter data about recipients, including how to register new recipients. This chapter also gives instructions how to use the fast screening input and processing.

Donor registration gives instructions on how to enter data about living donors.

Requesting donor information explains how donor information of received organs can be retrieved.

Transplant registration and update explains how to register transplants.

Center information registration and update explains how to enter details about transplant centers and donor profiles.

Reports gives instructions on how to generate and transfer reports to your local system and how to print or how to save reports (waiting lists , data-extracts, etc.) .

Overview of available reports and extracts lists all the available reports and extracts and gives an overview of the contents of each report or extract.

Addendum A contains the code tables for the extracts.

1. Overview of the Eurotransplant ENIS system.

You don't have to be a computer expert, to be able to use the Eurotransplant ENIS system. However, to help you operate it more efficiently, take your time to read this section about the components of the ENIS system and different environments.

2. The Eurotransplant information system

The Eurotransplant International Foundation has a computer system, to register recipients, donors and transplants and to perform matches for the separate organ. This system has the name ENIS (**Eurotransplant Network Information System)**. Each transplant center collaborating with Eurotransplant can enter, update and retrieve their own information of center, recipients, living donors and transplants.

To ensure as much privacy to donors and recipients, access to data in the ENIS system is limited by user rights. Users can see data specific for their function and/or center. Even at the Eurotransplant head office in Leiden not all personal has access to all the data.

We distinguish three different environments in our system:
3. Production environment
4. Education environment
5. Development environment

Production is the environment where all the daily information is entered and where the matching takes place. All information entered of recipients and centers is used for these matches. Here you must register new recipients and update all information concerning the recipients and your center.

Our education and testing environment (Beta environment) is a scrambled version of our production environment. We use it to test all new changes to the system and to give our in-house education. This is the environment that you can use to train new employees or test new changes.

Our development environment is used to develop all new upgrades and changes of the system by the Eurotransplant IT department.

To make sure users work in the right environment we have tried to separate the types of environment as obvious as possible. The production environment is placed under "Applications" and the Education environment is placed under "Test and Education" on the ET member site. When you log into the Education environment a message appears:
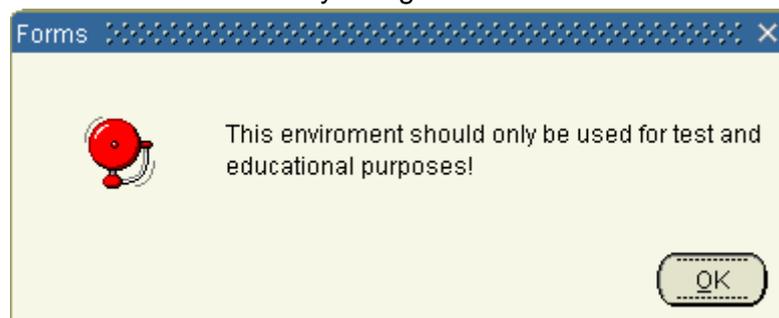
Furthermore the window includes two brightly colored blocks with text in them to warn users and prevent mix-ups.
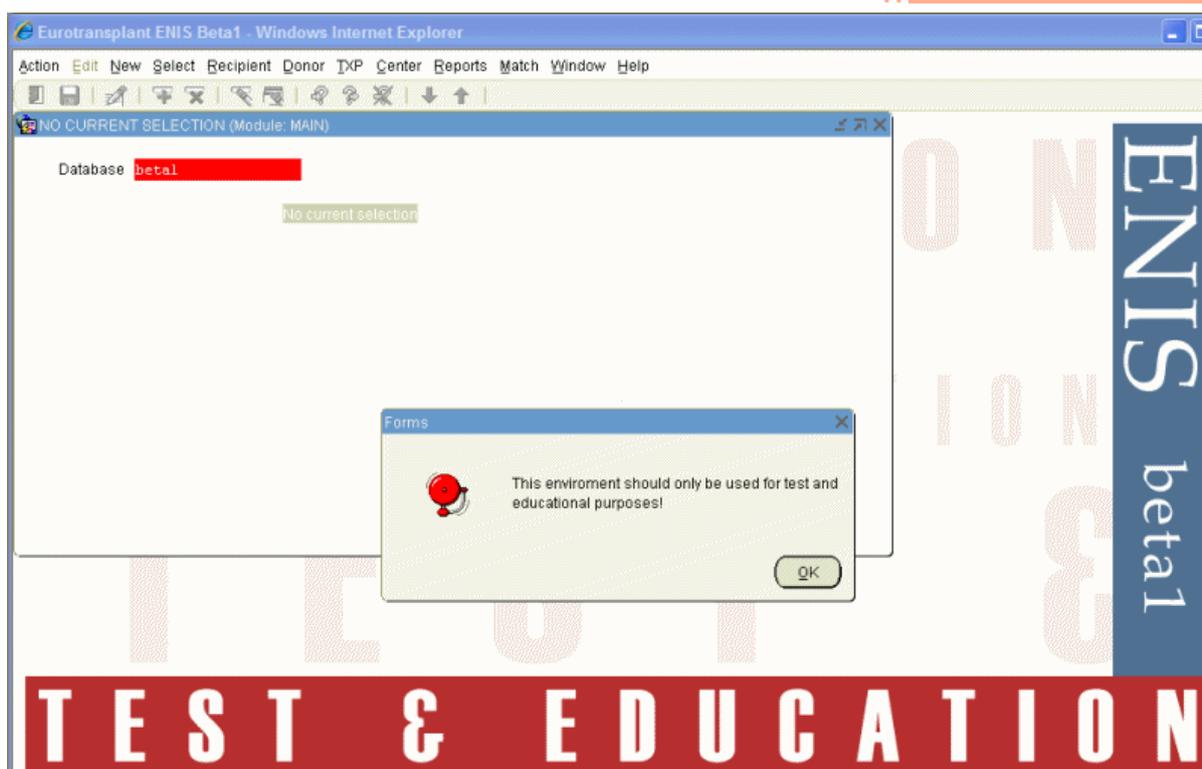
In paragraph 2.2 How to connect to the ENIS system is described how the application can be started.

1.2   Ongoing changes of the system

The ENIS application is subject to continuous development and improvement.
These changes and upgrades will be released for you to use in pre-announced releases.
Every release is accompanied by an overview of the changes, published on the member site, and the ENIS helpdesk will be available for any questions.
After every release, the manual is updated if applicable.

1.3   Direct connection via Internet

The ENIS application is accessible over the Internet. This means that ENIS is accessible everywhere there is an internet connection. You have to login to the Eurotransplant website: http://www.eurotransplant.org, where you can find the login under the 'Members' submenu in the right top corner of the screen. On the member site, in the left-hand sidebar, there will be a list of applications you will have access to. One of them will be ENIS. Another application that is available over the internet is Donor reports. For description of Donor reports, check 9.5 Donor Reports

You can find the requirements for your PC and lots of more information on the right hand side of the homepage under the menu 'log in/ register'.

2 How to use the ENIS system

2.1 Getting started

2.1.1 How to request a password

Entry to the ENIS system is protected by personal passwords. If you don't have a password to access our system, you can retrieve a password by registering as a member. Go to the Eurotransplant website (http://www.eurotransplant.org) and select "Members" or go to the Donor data website (www.donordata.eu).
A screen appears where a password and username must be entered.
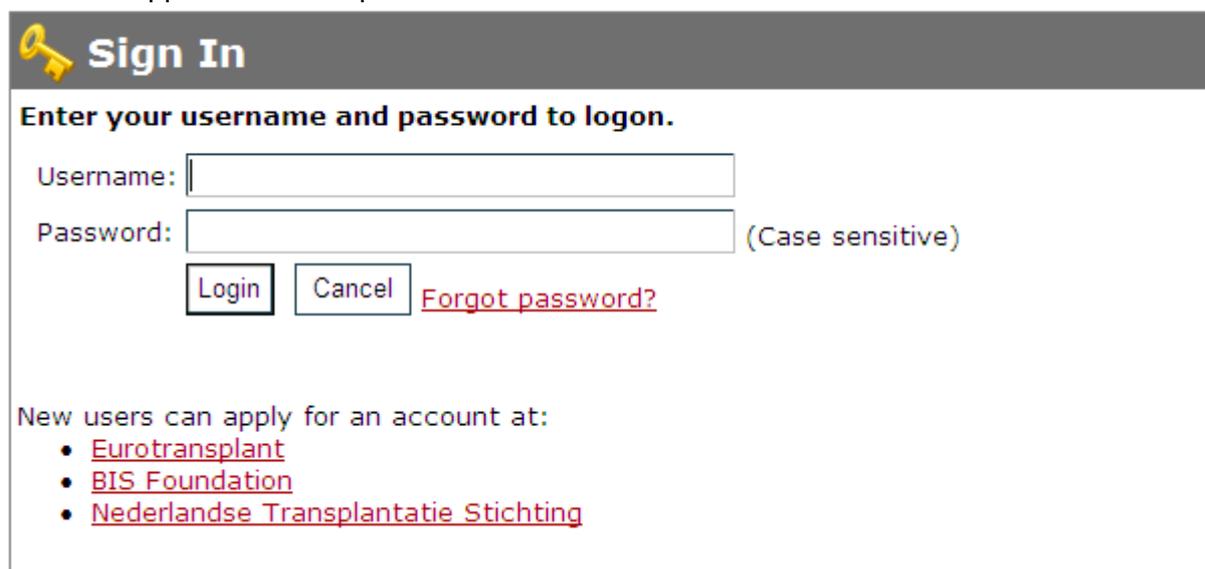
If you want to request a password, select "Eurotransplant" at the bottom of this screen.
A registration form will appear where you can register as a member. In this form, next to the basic information such as name, center and function, you have to mark the applications you need to gain access to. The name of your supervisor has to be entered, as a reference. This must be done to prevent that everyone will get access to our ENIS system.

Registration

If you are not registered as a member yet, you can apply to get a membership account. This account is available for affiliates of the Eurotransplant International Foundation, e.g.:

- Transplant physicians/surgeons
- Transplant coordinators
- Committee members
- Immunologists

back

To apply, fill in the following information:
(Please complete the entire form,
fields labeled red are essential)

first name	
last name	
function	
* if other, please specify here	

Your supervisor

name	
e-mail	

Applications

Do you also want access to:

ENIS? ○ yes ○ no

www.donordata.eu? ○ yes ○ no

MELD? ○ yes ○ no

centercode

department ▼

hospital	
city	
country	▼
telephone/mobile	
fax	
e-mail address	

Submit

After entering the information, select Submit. The request is send to the Eurotransplant IT department. If the request is valid, the IT department will provide the username and a password.

The system will ask you, the first time you logon, to create a new password with a minimum length of 6 characters and at least two digits (For example: et2tx4). With your username you will get access to the member site, where you can find all the applications you are entitled to use. Each 6 months you will be asked to change your password.
To protect the privacy of your recipients and of the donors, we cannot stress enough to be careful with your username and password.
Note: after 6 months of no activity your account will be disabled and 3 months later the disabled accounts will be removed.

If you have a pass word for ENIS and you need a pass word for another application, you can request access following the same steps.

2.2   How to connect to the ENIS system

Go to the website of Eurotransplant: www.eurotransplant.org. Click on the Members link. You will now be routed to the screen where username and password must be entered. Enter the username and password provided by the Eurotransplant IT department. Click 'Login'. Users with rights to enter the ENIS system will see a number of applications on the right side.

Because of the different environments (see 1.1 the Eurotransplant information system) you will find multiple links to ENIS in the list of applications. The production environment of the ENIS system is placed under "Applications". The test and education environments are placed under "Test & Education". Here you can find all available education environments. It is recommended to first practice new data entry in the BETA 1 EDUCATION environment. Here you can experiment as much as you like without disturbing the production process.

2.3   Screen layout

The ENIS system contains two types of screens. The first type is a screen developed with the Oracle technology. This is an example of a typical Oracle screen:

On top is the menu for navigation through the application.

For an overview of the whole menu structure see paragraph 2.3.1. Menu structure.

Underneath the menu are the buttons to manipulate data.

How to use these buttons is described in 2.3.3 Buttons and Function keys
Another feature of the screens is the tab structure. Every tab is a screen "stacked" on another screen (look at the Insurance and Consent Authorization tabs in the picture above). By clicking on the tab you can open that screen. This is a nice feature to organize the screens and give more overview for the user.

The second type of screens are screens, build with a different technology than the Oracle technology. These screens are "old" (build in former standard technology) can be found at the Transplant part of ENIS. Here is an example of an "old" screen:

The old screen looks flat and without the fancy graphics of the newer versions.

In the application, there are updatable screens and "read-only" screens. Per screen is described how to enter the information and if information can be changed.

2.3.1   Menu structure ENIS

Moving around the ENIS system is made easy through the use of menus which are displayed at the top of your screen.

Under each of the items, shown in the main menu, a submenu is hidden. By selecting the item, a submenu rolls down.
Where the titles in the submenu have a little black triangle behind them, there is another submenu available.

The following scheme shows the ordering of the menu and submenu's:

Action   **Edit**   **New**   **Select**
Menu   Cut   Recipient registration   Recipient
Save   Copy   Donor
Print   Paste   Transplant
Exit form   Editor   Center
Exit ENIS   Insert row
                 Delete row
                 Clear   Clear field
                                    Clear row
                                    Clear block
                                    Clear all
                 Duplicate   Field
                                    Row
                 Find   Find
                                    Enter query
                                    Execute query
                                    Cancel query
                                    Show last criteria
                                    Count matching rows
                 Go To
                                    Next field
                                    Next row
                                    Next block
                                    Previous field
                                    Previous row
                                    Previous block

Recipient
Recipient registration
Medical
Organ   Kidney
Immunological results   Pancreas
                               Liver
Status and Events   Heart
Recipient Deceased   Lung
Recipient report   Waiting list overview
Pre-waiting list *
Donor information   HLA
Questionnaires   Antibody screening   Register per recipient
Questionnaire report   Register per center
Missing heart waiting list   Unacceptable antigens   Recipients with outdated screening
follow up dates   Acceptable antigens
                              Immunological overview

                         Donors Offered
                         Donors used

* Dutch centers only

Donor
Donor registration
Donor organ   Donor Kidney
Donor HLA   Donor Pancreas
                               Donor Liver
Donor clinical results   Donor Heart
Donor report   Donor Lungs
                               Donor Kidneys report
                               Donor Liver/Pancreas report
                               Donor Thorax report

                               HLA Registration
                               HLA Overview

TXP	**Center**		**Reports**	**Help**	**Window**
New	Center		Submit Jobs	List of values	Cascade
Update	Donor profiles	Thorax	Monitor Jobs	Window help	Tile horizontally
Immuno		Other organs		Keyboard help	Tile vertically
Suppression			Display error		
Organ Information				About	
HLA					
Heart follow up					

2.3.2   Buttons and Function keys

Buttons found under the menu on top of the forms:
The next list shows which buttons play an important role when you work in an ENIS screen:

Save	Clear all
Exit form	Enter query
Editor	Execute query
Insert row	Cancel query
Delete row	Next row
Clear row	Previous row

About the Save button: This button can be used to save changes.
About the Exit form button. This button can be used to exit a screen. If changes were made to the information, the application will ask if the information has to be saved.
About the Editor button: A free text box may contain more characters then you can see on your screen. By clicking on the Editor Button the complete text will be shown in a separate text box.
About the Insert row button: This button is used to insert a row in screens like Antibody screening per recipient or Unacc. Antigens.
About the Delete row button: This button is used to delete a row in screens like Antibody screening per recipient or Unacc. Antigens. This can not be done if the information is used for a match at Eurotransplant. In that case, a warning will appear.

About the Clear row button: This button empties the row you added. The information entered disappears, but the row still exists, so different information can be entered

About the Clear all button: This button empties an entire screen, so new information can be entered. It does not delete information that has been saved. For example: if you are in the Donor registration screen of donor 1, via the button Clear all, the fields become "empty" and a new donor can be entered.

About the Enter query and Execute query button: the Enter query button empties a screen and turns the screen in a "search" mode. After entry of search criteria, the button "Execute query" completes the search and the requested recipient/ donor is shown. If you are in a specific recipient for example and you want to enter information of a different recipient, put your cursor in the header and click the enter query button. Enter the search criteria of that recipient (ET number) and click Execute query. The requested recipient appears.

Note: this way of searching a recipient or donor is only possible in the recipient or donor screens and can only be used to request 1 specific recipient or donor.

About the Cancel query button: This button cancels a query. If you're in a screen in "search mode, via Cancel query this search screen is closed.

About the Next row button: This button can be used to "walk" through the recipients or donors of your center. Via the next button; you'll go to the next recipient or donor.

About the Previous row button: This button can be used to "walk" through the recipients or donors of your center, via the previous button, you'll go to the previous recipient or donor.

Keys:

When you press Ctrl + F1 a window will pop up with a list of all the available keys and their function. The following keys you will use often:

Save	F10 (see description on previous page)
List of values (LOV)	F9
Enter Query	F7 (see description on previous page)
Execute Query	F8 (see description on previous page)
Next Record	Page down
Previous Record	Page up
Next Field	Tab / Enter
Previous field	Shift + Tab
Exit ENIS	Ctrl + Q

2.3.3   Fields

In each screen you will find fields to enter data. Each field has a name, such as "Name recipient" or "Address". There are different sorts of fields which will be described below. After you have entered data in a field, the system checks if the entered data is of the right type and format. Just numbers in a number field or a date in a date field. If not, a message will inform you about the right format for that field.

In the ENIS system are mandatory fields. These fields must be filled in, because this information is important for the match or registration. An example of a mandatory field is "Date of birth", which is used to identify a person. These fields are marked in the old screens with the sign > placed at the end of the field. In the new screens the names of the fields are written in red.

Optional fields are not mandatory, but give additional information. When the information is

available, please enter the information.

Date fields

These are fields where you have to enter a date in the format *<dd.mm.yyyy>*
(day.month.year). The date can be typed as the following example: "*131296*". This will
automatically be converted in "*13.12.1996*" when you leave the field.

Time fields

Here you can enter the time in the format *<minutes> : <seconds>*. For example: *15:45*

Date and time fields

These are combined fields where you have to enter date and time. There are two ways to do
this.
An easy way to enter date and time is to press [F9]. This displays a calendar with the current
date selected. You can select any date you like. With the buttons on the above left you can
select the months and with the buttons on the above right even switch year. Underneath is
the current time displayed. With the buttons at the end of the hour and minute field you can
select other numbers.

Another way is typing the date and time. Example: 23rd of May 2008 09:40, type "*23082008
0940*". When leaving the field this will be converted in: "*23.08.2008 09:40*"

Coded fields/ Pop-up lists

In these fields you have to select the information you want to enter form a list of possible
entries, a "List of Values" (LOV). In the old screens the field has an asterisk (*) placed in
front of it to indicate it has an LOV. When the cursor is in that field, press the F9 button and
will open the LOV. In the new screens there is an arrow sign behind the field to open the
LOV.
A sort LOV is indicated like this:

Sex [Male ▼] There are only two options for this field: Male/Female.
A longer list is indicated like this:

Country [NL] [⬇]
You can type a value in this field without using the list. The system will check this entry

against the list, and when the entry is not listed it will open the "List
of Values" automatically for you to search the right value. When
you enter the first few characters of a value, the system will check
against the list. When only one value matches, the whole value will
be filled in automatically. When multiple options are found, the
LOV will show the choices found. You have to choose the right
one

Comment fields or Free text boxes

In these fields you can enter free text for additional information. It
is possible to enter both letters and numbers. If you would like to
have more overview of your text, use the editor button or Ctrl + E.
An editor window will open, to have an overview of the whole text.

2.3.4 Messages and prompts

During registration or updating information, it is possible a message or prompt (question) appears on the screen. Usually all you have to do is answer *"Yes", "No", "Cancel", "OK"* or *"Exit"* by clicking the appropriate button.
For example: ENIS checks to see if mandatory fields are filled. If information is not complete and you want to save the information, a warning appears with the missing information:

If all information is entered correctly, you will receive a message like this:

An example of a *prompt* is:

In the description of the system, which starts at chapter 3, the most common messages and prompts will be displayed.

2.3.5 ID Header

At the top of the screen is also a line called ID Header. Information about the recipient or donor you have selected will appear in this ID Header.

This is the header belonging to a recipient, shown in every recipient screen:

The header makes it possible to see the most important data of a selected recipient and it reflects the urgency codes on the various waiting lists.

The header includes **ET number, Recipient Name, Date of Birth, Blood group and Rhesus factor, Sex, Waiting List Status** and the **Registration Center.**

This is the header displayed for donors:

The header includes **Registration date, Donor Nr, Identity, Donor Type, Center, Blood group and Rhesus factor, Date of Birth, Sex, Weight** and **Height**.
The transplant screens don't have this type of header.

It is not possible to change or delete anything in the headers. You can use the header to search for a recipient or donor. With F7 or "Enter Query" the row becomes query-able.

Now you can search on a number of items like ET or Donor Nr, Date of Birth or Center. You can search on all "orange" items. After you filled one or more of these fields, use F8 or "Execute Query" to retrieve the data from the database.
Note: You do not have to use the screens in the submenu 'Select' (See 2.3.7). By using the ID header to query recipients or donors you can stay in the same screen.

2.4   How to search a recipient, a donor or a transplantation

2.4.1   How to search a recipient

Go to Select – Recipient

A screen will open, where on different items can be searched. The following fields can be found:

ET number:
Every recipient has a unique number for identification. The first field of the selection screens is "ET number". You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a 'partial selection'.

Example: **08551%**   will retrieve 10 records if all recipients between 085510 and
                                085519 are registered at your center.

            0855%   will retrieve 100 records if all recipients between 085500 and
                                085599 are registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number between 0 and 9.

Example: **24500_**   will retrieve all the recipients with an ET number between
                                 245000 and 245009.

            24_ _00   will retrieve all recipients with an ET number between 240000
                                 and 249900.

Name fields:

These are two name fields: "Last Name" and "First Name". If you know the name, type it in. If the name is not complete a % (wildcard) has to be added. We call this a 'partial selection'. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: **Jon%**   will retrieve 'Jones', 'Jonesy' and 'Jonkers'. All last names
                                 which start with the first three characters you gave in and end
                                 with any number of characters.

            %ons   will retrieve 'Buttons', 'Brons' and 'Filderons'. All last names
                                 which end with the three characters you gave in and start with
                                 any number of characters.

More specific is searching with underscores (_). An underscore replaces one character. If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: **Jon_ _**   will retrieve **'*Jones'*** and **'*Jonda'.*** All last names with five
                                 characters, beginning with 'Jon'.

            Jon_s   if you do not know if it is spelled **'*Jones'*** or **'*Jonas'*,**search with
                                the underscore and you will get the names with the different
                                possibilities for that position.

DATES:

In fields like "Date of birth" and "Registration date" a date with the format **<dd.mm.yyyy>** must be entered, for example: **20.03.1946 (**20th of March 1946).

Center codes:

You can only see the recipients of your own center, unless your center has authorization to see recipient of other centers.
For example: **BLMTP** and **BLETP.**
There are two different kinds of centers:

- Registration centers, where the code ends with **'TP'** like **BLMTP**
- Contact centers, where the code ends with an organ abbreviation like **BLMKI**,
  BLMHE, **BLMPA**, **BLMLI or BLMLU**.

When the screen opens it is already in query-mode. All fields that can be queried are turned orange. It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique recipient.

BSN

The BSN number search option is for Dutch centers only. The BSN number can be used to search recipients. Enter the complete BSN number. If the number is not complete, a % (wildcard) can be entered. All recipients of your center with the corresponding part of the

BSN number will be shown.

Note: The easiest way to retrieve a recipient, donor or transplant is by entering only the full unique identification number (resp. ET-number, Donor number or Transplant number).

When you have entered the search criteria you start the search by pressing the F8 key or clicking on   "Execute Query".

When more than one recipient matching the specification is found, you are presented a list from which you can select the correct one:

Recipients will be displayed ordered by search criteria. For example, if you search on ET Nr. The recipients are ordered on ET number. The first record is highlighted. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it.

2.4.2   How to search a donor

Go to Select – Donor
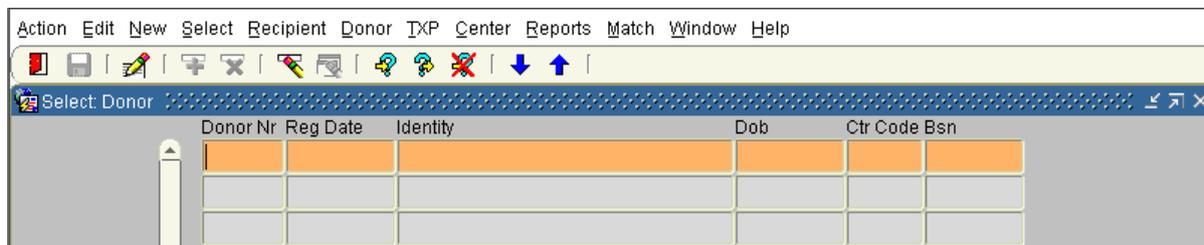
A screen will open, where on different items can be searched. The following fields can be found:

Unique Donor number:

Every donor has a unique number for identification. The first field of the selection screen is "Donor number". You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a 'partial selection'.

Example: **12345%**   will retrieve 10 records if all recipients between 123450 and
                                   123459 are registered at your center.

           1234%   will retrieve 100 records if all recipients between 123400 and
                                   123499 are registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number for any between 0 and 9.

Note: The easiest way to retrieve a donor is by entering only the full unique donor number.

Reg Date

You can search a donor via the date the donor was registered. Enter the date with format dd.mm.yyyy and a % sign. All donor registered on this date from your center will be shown

Identity (Name) fields:

There is a field named "Identity". This is a field where the name of the donor can be entered. If you know the name simply type it in. If the name is not complete a % (wildcard) has to be added. We call this a 'partial selection'. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: **Jon%**   will retrieve 'Jones', 'Jonesy' and 'Jonkers'. All last names which start with these first three characters and end with any number of characters.

         %ons   will retrieve 'Buttons', 'Brons' and 'Filderons'. All last names which end with these three characters and start with any number of characters.

More specific is searching with underscores (_). An underscore replaces one character (or number in number fields). If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: **Jon_ _**   will retrieve **'Jones'** and **'Jonda'.** All last names with five characters, beginning with 'Jon'.

         Jon_s   if you do not know if it is spelled **'Jones'** or **'Jonas'**, search with the underscore and you will get the names with the different possibilities for that position.

Date of birth:

In the field "Date of birth", a date with the format **dd.mm.yyyy** must be entered, for example: **20.03.1946** (20th of March 1946).

Center codes

You can only see the donors of your own center, unless your center has authorization to see the donors reported by other centers, for example: **BLMTP** and **BLETP.**
Enter the code that ends with 'TP' like BLMTP. When the screen opens it is already in search-mode. All fields that can be used for search are turned "orange". It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique recipient.

BSN

The BSN number search option is for Dutch centers only. This BSN number can be used to search donors. Enter the complete BSN number. If the number is not complete, a % (wildcard) can be entered. All donors of your center with the corresponding part of the BSN number will be shown.

When you have entered the search criteria you start the search by pressing the F8 key or clicking on   🔧 "Execute Query".   .

When more than one donor matching the specification is found, you are presented a list from which you can select the correct one:

Donors will be displayed ordered by Donor number. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it.

2.4.3   How to search a transplantation

Go to Select – Transplant
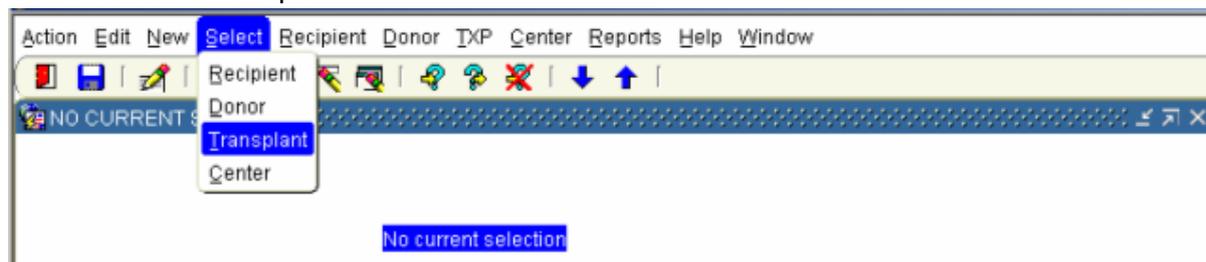
The following screen appears:

In this screen can be searched on different items. The following fields can be found:
Transplant, Recipient or Donor number:
Every transplant has a unique number for identification. The first field of the selection

screens is "Transplant number". The transplant can also be found by entering the donor number or recipient number.

You must enter at least four digits in this field. If the number is not complete a % (wildcard) has to be added. We call this a 'partial selection'.

Example: **_17551%_**   will retrieve10 records if transplants between 175510 and
                                175519 were registered at your center.

            _1755%_   will retrieve 100 records if transplants between 175500 and
                                175599 registered at your center.

Another wildcard which you can use is the _ (underscore). It replaces one number for any between 0 and 9.

Example: **_12541_**   will retrieve transplants with an ET number between125410
                                and 125419, if registered in your center.

            _12_ _00_   will retrieve all recipients with an ET number between 120000
                                and 129900.

Name fields:

There is a field named "Recipient name". If you know the name simply type it in. If the name is not complete a % (wildcard) has to be added. We call this a 'partial selection'. This wildcard can be added in front, behind or in the middle of some characters you know.

Examples: **_Jon%_**   will retrieve 'Jones', 'Jonesy' and 'Jonkers'. All last number
                                names which start with the first three characters you gave in
                                and end with any number of characters.

            %ons   will retrieve 'Buttons', 'Brons' and 'Filderons'. All last names
                                which end with the three characters you gave in and start with
                                any number of characters.

More specific is searching with underscores (_). An underscore replaces one character (or number in number fields). If you are looking for names with a limited number of characters you can use underscores as wildcards.

Examples: **_Jon_ __**   will retrieve **_'Jones'_** and **_'Jonda'._** All last names with five
                                characters, beginning with 'Jon'.

            _Jon_s_   if you do not know if it is spelled **_'Jones'_** or **_'Jonas'_**, search
                                with the underscore and you will get the names with the
                                different possibilities for that position.

Transplant Date:

In the field Transplant date a date with the format **<dd.mm.yyyy>** must be entered, for example: **_20.03.1946_**   (20th of March 1946).

Center codes

You can only see the transplants of your own center, unless your center has access to transplants of multiple centers.

For example: **_BLMTP_** and **_BLETP._** Always enter the code that ends with 'TP' like BLMTP

When the screen opens it is already in query-mode. It is possible to search on a combination of all fields. To make the selection as quick as possible enter enough information to identify a unique transplant.

Note: The easiest way to retrieve a transplant is by entering only the full unique Transplant number.

When you are ready entering the search criteria you start the search by pressing the F9 key. When more than one transplant matching the specification is found, you are presented a list

from which you can select the correct one:
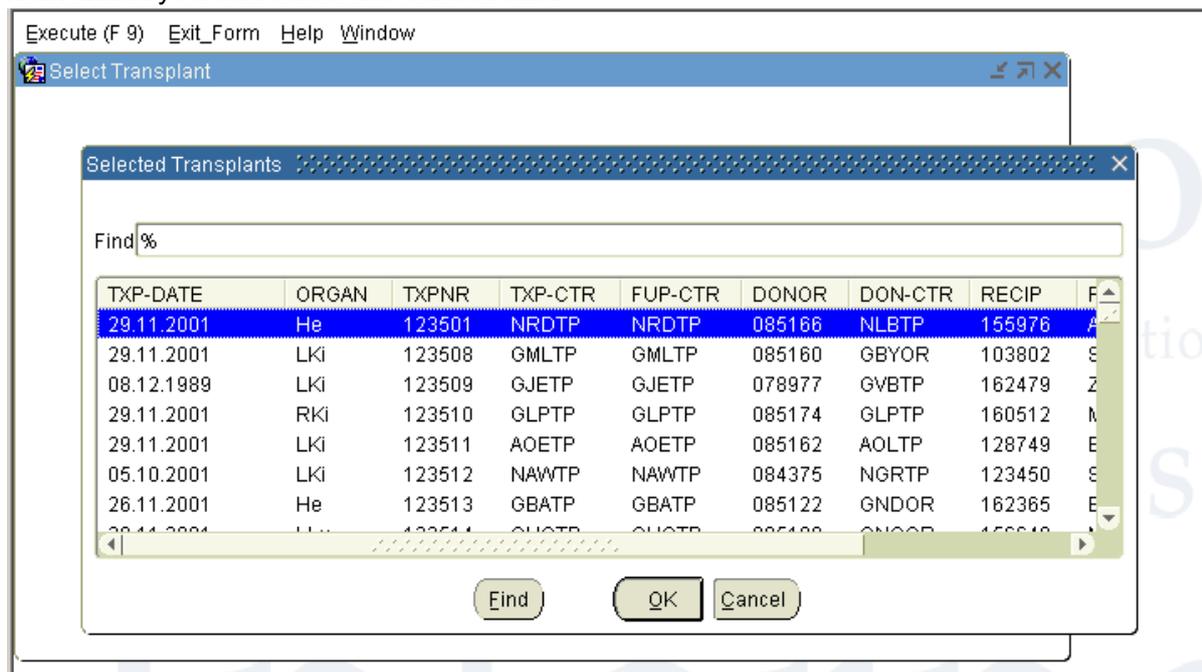
Transplants will be displayed ordered by transplant number. With the key-down and key-up buttons you can search for the one you need. If the selection returned a lot of records you can scroll with the scrollbar and select the record by clicking on it and than select "Ok".

2.5 Switching between recipient, donor and transplants

In the system relations between recipients, donors and transplants are stored. So when you're looking at recipient data you can easily move to the linked transplant data or information about the donor (if a transplant occurred off course) or vice versa.
An example:
You look at the Recipient Organ screen and you see that the urgency code is "FU" (transplanted). To see information about the transplant, you perform the next action: Select Txp – Update. Now the transplant selection screen is displayed and the recipient number is already filled. Click on "Execute" or press F9, to confirm this pre-selection. If there is more than one transplant for this recipient, you may choose from a list.
The transplant/update screen with information about the related transplant will be shown.

2.6 How to exit the ENIS system.

You should finish your session with the ENIS system as follows:
- Save your changes.
    There are three ways to save information:
        1. Click on the "save" button
        2. Use the F10 key
        3. Via the menu: Action – Save
- Close the window which displays the ENIS application: Action – Exit ENIS.
- Close the window which displays the member site: File – Exit.

3   Recipient registration and update

3.1   Registration of a new recipient

The registration of a recipient is done via a registration wizard. This wizard will lead you step by step through the registration screens. When the first screen is entered and the information is saved, the registration wizard appears at the bottom of the screen with a 'Previous' and a 'Next' button. Also is shown how many screens can be entered and what the next screen in the wizard is.

The screens in the wizard are:
- Choose Organs (Waiting lists)
- Medical
- Entry of HLA
- Antibody Screening per recipient
- Unacceptable Antigens (only if Specificities are entered in the Antibody screen)
- Organ screen(s) (including recipient specific donor profile)
- Heart Follow Up screen (for heart recipients only)
- Thoracic Urgency request application (for Lung recipients only)

All screens can also be accessed via the individual submenus, described in text with the individual screens. For the description of the menu structure and submenus, see 2.3.1 Menu structure ENIS.

3.1.1   Recipient registration

If you want to register a new recipient, select: New – Recipient Registration

The recipient screen appears. This screen contains three tab pages. The screens opens with the first tab page "Contact". The field 'Registration Date' (Reg. Date) is automatically filled. You can "jump" through the fields by using the Tab key. The red fields are mandatory; these must be entered to retrieve a Recipient number (ET Nr). If the other information is available, please enter this information.

'BSN' is mandatory for **Dutch** recipients only. If the BSN is not known, the 'Reason no BSN' is mandatory.

Note: the country of residence must be entered in the field "Country", not the country of the registration center.

Use for 'Registration Center' (Reg. Center) the 'TP-code' (You can use the arrow or F9 for the list of centers).

Use for 'Contact Center' a center code with an organ abbreviation (You can use the arrow or F9 for the list of centers). For example: XXXKI or XXXHE

Enter all information.

After this screen, go to the second tab page: Insurance.

'Insurance Type' is a mandatory field. It depends on the insurance type, if the other fields must be entered also.

Note for the German centers: if the Insurance Type is KF, PF or RF, the part of the screen named 'Insurance Holder' becomes available and has to be entered.

If you want to search an 'Insurance Code', use the arrow behind the field. The following pop-up is shown:

The pop-up opens in search mode. All the fields can be used for searching. There are several ways to search the insurance code you need. E.g. fill out City and use F8: all the insurance codes in the city are shown. Search again (if necessary) with F7. If you only know a partial item, e.g. the first two numbers of the Insurance Code: type the numbers in with % (e.g. 12%) en use F8. Now all the insurance codes starting with these two numbers are shown.

If you have found the correct insurance code, select the line by clicking it with the cursor and click OK. You will return automatically to the insurance screen and the insurance code is entered. If you want to return without selecting an insurance code, click Cancel.

Enter all information and go to the third tab page: Consent & Authorization.

The residence or non-residence status of the recipient must be registered in this screen. Whether the recipient is non-resident or resident, depends on the data registered in the tab page Contact and will be shown in the screen. In the match the residency status of the recipient is used (see ET Manual Chapter 2.1.5 Non-resident patients).
Note: the resident status cannot be changed after initial registration! In case the current resident status in ENIS and the actual resident status of the recipient differ, please contact Eurotransplant.

The screen contains an official consent & authorization statement where the user has to confirm the physician in charge got consent from the recipient for data processing, by stating the name of the physician in charge in this form ('Physician Name').

When all information is entered click F10 or the disk to save the information. The following message appears:
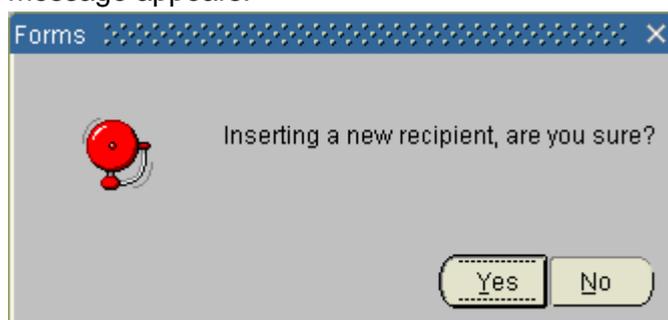
Select 'Yes' if all information is entered correctly. If not, please select 'No' and correct the information.

After 'Yes', a message will appear that all information is saved:

```
Forms
⚠  FRM-40400: Transaction complete: 1 records applied
    and saved.

                                            OK
```
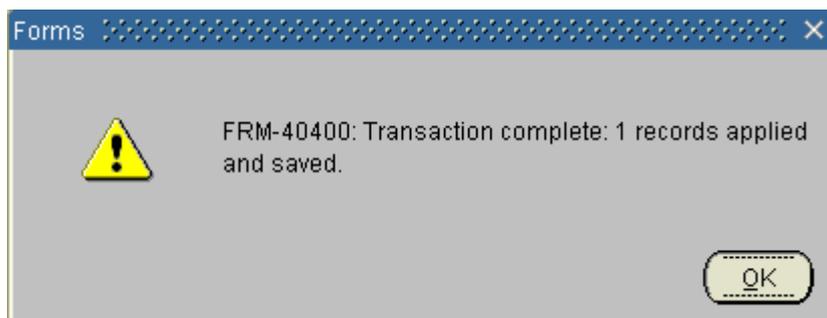
Select 'OK'. The following message confirms the entry of the data and gives the ET-number:

```
Forms
⚠  ET Nr. given to this recipient is 279984

                              OK
```
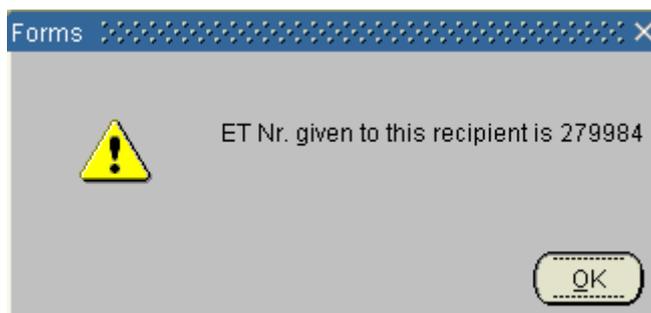
Select 'OK'. Now the registration wizard appears at the bottom of the screen. By using the Next button the screen appears where the organ(s) has/have to be chosen.

Note: It is possible that a recipient with the same last name, first letter of first name, sex and date of birth already exists in ENIS. The following message appears:

```
Forms
🔔  A recipient with the same last name, first letter of first
    name, sex and date of birth already exists with ET Nr.
    279979. Do you want to continue to save this recipient?

                                   Yes     No
```
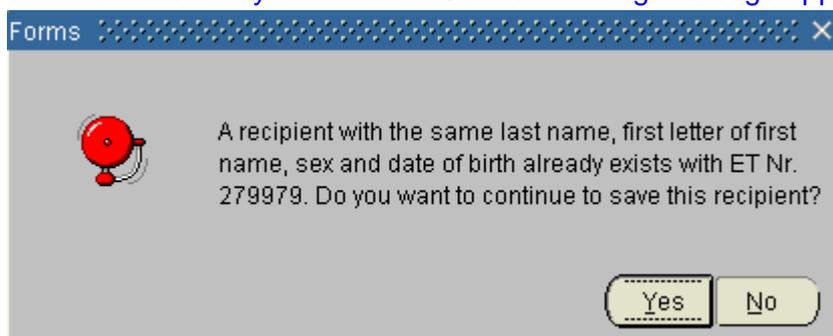
In this case: please select No and contact Eurotransplant. They can check the data in ENIS to verify that not the same recipient is registered twice in ENIS.

3.1.2   Choose organ (s)/ Waiting lists

This screen is used to register the recipient on the waiting lists for the individual organs.

Select the organ by checking the box in front of it. You can select multiple organs at the same time, if the recipient needs a combined transplantation. When the recipient is only awaiting an intestine transplantation, no organ must to be chosen. (See 3.1.13 for Intestine registration)

Depending on the organ(s) chosen, the number of screens in the recipient registration wizard is altered.

It is not necessary to use F10 or the save button to save the data. By using the 'Next' button the data is automatically saved to the database. You'll go to the next screen in the wizard "Medical".

Note: When you use the Previous button and you want to save your information, you have to use F10 or the Save button to save your data. Otherwise the data in that screen will not be saved. The following message occurs:

Select 'OK' if you want to go back without saving the information. Choose 'Cancel' if you want to save your data.

3.1.3 Medical screen

This screen is used to register the blood group and virology of the recipient, as well as height and weight.

The screen contains two tab pages: "General" and "Virology".

General

On this screen the recipient's blood group ('ABO' and 'Rh', Rhesus), weight and height have to be entered, these are the mandatory items.

Note: when a Thoracic HU or LAS request is send via TUR the heigt and weight of the recipient must be entered in that request. If the height and weight entered in this request differs from the values in ENIS, the height and weight in ENIS is updated automatically.

In case of a female recipient the number of pregnancies and children can be entered. Enter the number of Pregnancies (live births, still births and spontaneous abortions) and the number of children (live births only).

If the ratio of pregnancies to live births is greater than one in six (sextuplet), the next prompt is given:

E.g. when Nr of Pregnancies is two, Nr of Children cannot be more than 12.
You can register the transfusions before the first registration of the recipient on a waiting list and the transfusions after registration via the LOV (No/Yes).

In order to avoid mistakes on the entry of weight and height of a recipient, a simple check has been implemented. If the Body Mass Index [i.e. BMI = Weight (Kg) / Height (m)2] is out of proportion, the next warning is given (depending on the entered data):

Select 'Yes' if the entered information is correct. Select 'No' if the information needs to be corrected.

The most recent entered virology results are shown on this screen. You can not enter results here; this can be done on the next tab page "Virology".

Virology

In this screen the results of the virology tests can be entered. Enter the "Sample Date" first. Enter the results of the virology test via the LOV or arrow (Pos/ Neg/ NT). Typing the first one or two characters is enough to fill the fields.

You can also enter whether the recipient is HB immunized or not (Yes/ No/ Unknown). The date with the most recent Sample Date is shown on the General tab page.

By using the Next button the following prompt appears (depending on the entered data):
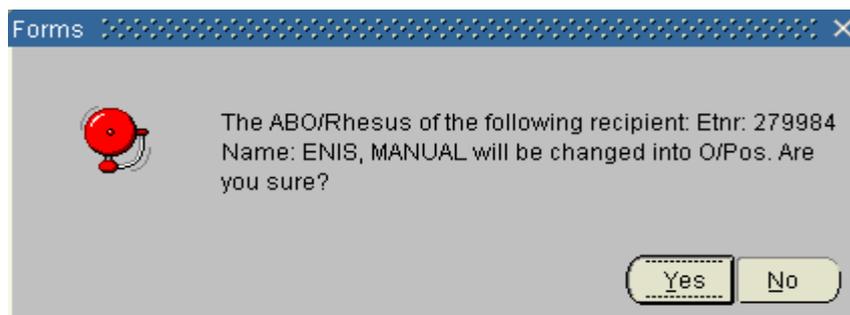
Select 'Yes' if the entered information is correct. Select 'No' if the information needs to be corrected. Click Next for the next screen in the wizard, the HLA screen.

3.1.4   Entering HLA typing

This screen makes it possible to enter lab test data and the HLA antigens that were found. Furthermore, this screen is used for creation of a reduced match phenotype from the registered HLA antigens.
For all recipients on the kidney waiting list a Human Leukocyte Antigens (HLA) typing is required. It is optional for recipients on other waiting lists. If you don't want to enter an HLA typing you can use the Next button.
Note: A recipient registered on the kidney waiting list stays in the waiting room and is not active on the kidney waiting list, until a valid HLA typing is registered and the full and reduced match phenotypes have been deduced!

The screen contains two tab pages: "Lab. Results" and "Antigens phenotyping", in order to create a full match phenotype

Lab. Results

The test data can be entered and the history is shown. Three rows with entered test data are visible and the scroll bar makes it possible to scroll to older lab results if present. The first row presented is the most recent insert. The red fields are mandatory.

The field 'Entry Date' is default filled with date and time of entry and cannot be changed. Enter the code of the laboratory that determined the HLA typing in the field '"Code". Choose F9 or the arrow to select a laboratory. It is only possible to use the center codes ending on 'TT' (e.g. NLBTT). The field "Sample Date" is the date the test sample was collected.

Enter an 'ABC, DR and/ or DQ Typing Technique' via the LOV or arrow and check the checkboxes in front of the technique. You can choose DNA or Serology as typing technique. The checkboxes before every typing technique field is used for creating the match phenotype later on in the procedure. By selecting the technique for an antigen in group 'ABC', 'DR' and/ or 'DQ', you make it possible to register the antigens of this specific antigen group in the tab page Antigens.
Note: When you enter the Lab. Results for the first time, it is mandatory to register the ABC Typing Technique and the DR Typing Technique.

You can use the 'Comments' field for comments per lab result.
The checkbox 'Used for Phenotyping' means the HLA typing has been used for Phenotyping and these results cannot be changed.

Antigens
In this tab page you can enter the antigens.

You can enter Antigens by using F9 or the arrow or type them in directly. It is also possible to fill in the first character, e.g. A, click "Enter" and the list of antigens will appear.

When you enter an allele or a split, the corresponding split (if applicable) and broad on

higher level is automatically selected, shown on the right side of the inserted antigen and included in the HLA.

Note: when you have chosen a Typing Technique for e.g. DQ and you go to the tab page Antigens, you have to enter at least one DQ-antigen. If you realize at that moment that you made a mistake and don't want to insert any DQ antigens:go back to the tab page Lab. Results and empty the typing technique for the DQ antigens..

After you entered your set of antigens, save via F10 or the disk. The following message appears:

In order to make sure the antigens are typed in correctly, you have to enter the same set of antigens for the second time and save. When you save the second set the following message appears (depending on the entered data):
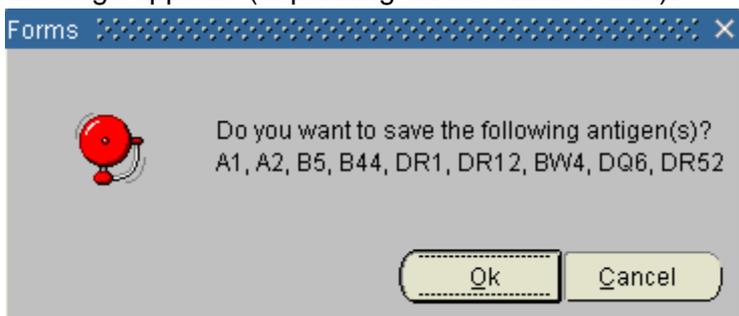
When you do not want to save this set of antigens, use the 'Cancel' button. This will bring you back to the first set of antigens in order to make changes. 'Ok' will save the set and you can return to the Lab. Results tab page.

If the first and second set of antigens is not identical the system will give a message when you save the second set (depending on the entered data):

or
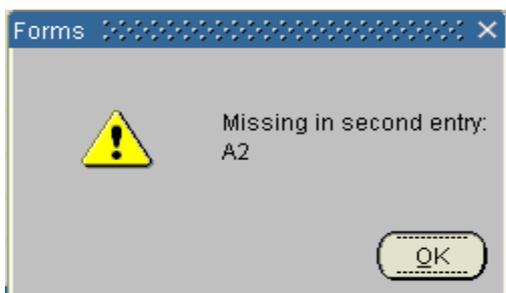
The system will return to the first entry. Save via F10 or the disk and you have to do the second entry again. When the first en second set are entered correctly, the following message appears (depending on the entered data):
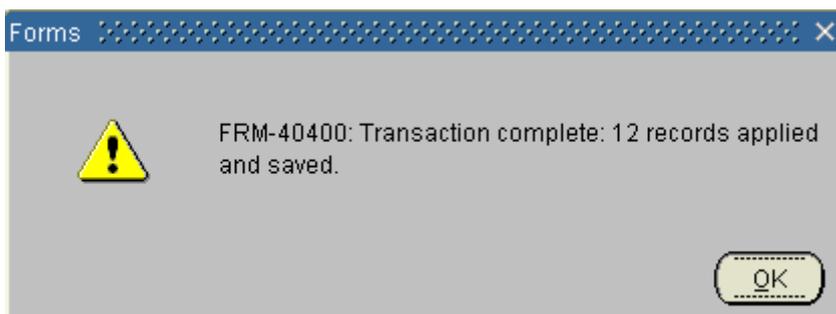
Choose 'OK' and you can return to the Lab. Results tab page. The field 'Antigens' is now filled with the just entered antigens. This field is display only (so no data can be changed or entered in this field).

After entering the antigens, click the button 'Create Match Phenotype'. The following message appears:
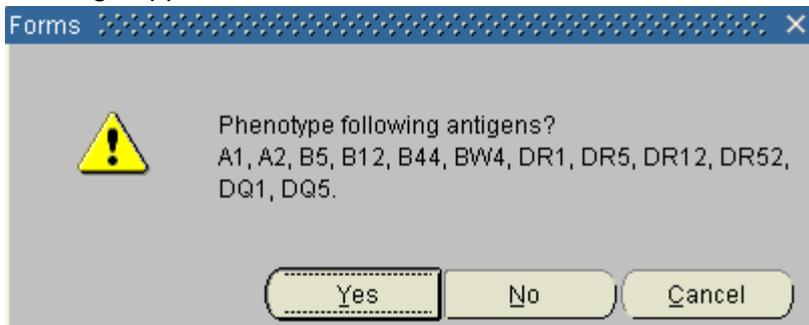
Choose 'Yes' if you want to phenotype, choose 'No' or 'Cancel' if you don't want to phenotype these antigens. You can change the antigens.
After you selected "Yes", the fields 'Full Match Phenotype' and 'Reduced Match Phenotype' are now filled with the phenotype you have selected. These fields are not updatable.
Note: It is not possible to update or delete the lab result data and the corresponding HLA antigens after the HLA typing is used for phenotyping. This is shown by the last checkbox 'Used for phenotyping'.

When you want to leave the screen without phenotyping, the following message appears:

Forms ✕

You changed or inserted a HLA typing without creating a new match phenotype.

Are you sure you want to leave without phenotyping?

Yes   No
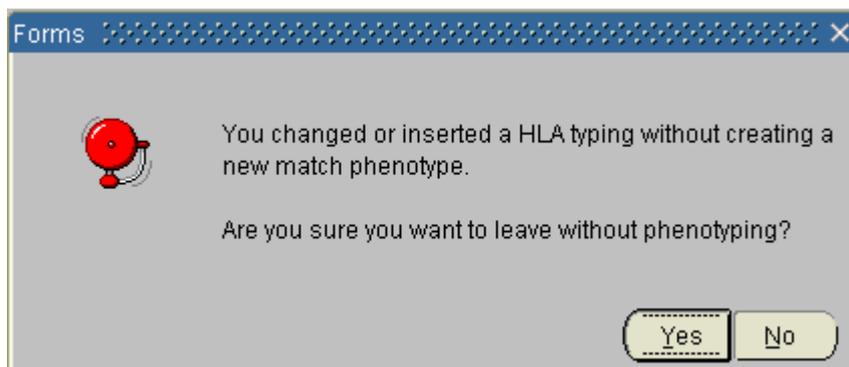
It also appears when you will leave the screen without phenotyping after you added or removed antigens. Choose 'Yes' if you don't want to phenotype. This means (after the first entry) the recipient will not proceed in a match or (after a chang possibly the wrong antigens are now used for matching. Choose 'No' if you want to phenotype first, before leaving this screen.

Note:
  ✓ It is not possible to enter an antigen that is also in the recipient's unacceptable antigens
  ✓ You have to enter at least one antigen of each antigen group that has a technique defined
  ✓ You can only delete a broad when there are no splits or alleles that belong to the broad
  ✓ You can only delete a split when there are no alleles that belong to the split

By using the Next button you will enter the next screen: Antibody screening per recipient, described in paragraph 3.1.5

3.1.5   Antibody screening per recipient

This screen is used to register the antibody screening for the recipient

The screen contains two tab pages: "Lab. Results" and "Antibodies". The red fields are mandatory.

Lab. Results

The field 'Entry Date' is automatically filled with date and time of entry and cannot be changed. Enter the code of the screening laboratory in the field "Code". Choose F9 or the arrow to select a laboratory. It is only possible to use the center codes ending on 'TT' (e.g. NLBTT). Enter in the field 'Sample Date' the date the blood sample was drawn from the recipient.

The fields behind 'Sample Date' are display only. If already a percentage of antibodies is entered, this will be shown in these fields. The percentage of antibodies and the sample date of the most recent test result will be used in the ETKAS match. When these data are used for matching, the checkbox 'Match Occurred' is checked. You can use the 'Comments' field for comments per result. 'Cum. Specificities' are the cumulative specificities.
Note: the information entered in the 'Antibodies screen' will also be used to calculate the highest antibody percentage (and date) and the current antibody percentage (and date). Both data sets are shown on the 'Immunological and Viral History screen' along with the 'Current Specificities' and the 'Cumulative Specificities'. These fields are not used in the ETKAS match.

When 'all information is entered, go to the second tab page "Antibodies".

Antibodies

'Screen Type' is the antibody screening method that is used, this is mandatory. Select the method via the LOV (arrow). The list of values contains: DTT, Elisa, CDC, Other and Virtual PRA.

The field '% PRA' is a numeric field, enter the percentage of antibodies.

Note: the percentage of antibodies can automatically change the urgency status if the recipient is registered on the kidney waiting list with urgency T, I or HI.

The field 'Auto' can be filled to indicate whether a recipient has auto-antibodies, selection via the LOV. Available are "Positive", "Negative" and "Not Tested". If 'Auto' is Positive, the following message appears:
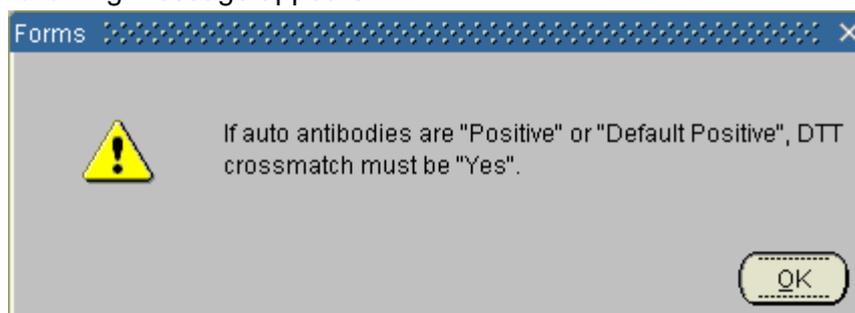
Click OK and the field 'DTT Crossmatch' will automatically be filled with 'Yes'. In all other instances the field 'DTT Crossmatch' is not mandatory. You can fill in Yes or No, whether a crossmatch with DTT is needed for this recipient or not.

The field 'Specificities' allows entry of HLA antibody specificities. You can use the arrow, F9 or type in the antigens directly.

When you entered all information, click the Next button. When there are no specificities, the next screen will be the Organ screen. When specificities are entered, the next screen will be the Unacceptable Antigens screen.

3.1.6   Unacceptable Antigens

The unacceptable antigens are those HLA-antigens that should be avoided in an organ offer. Since these antigens are used in the kidney match program, an organ from a donor who does not have these HLA antigens will be offered.

There are two ways to enter the unacceptable antigens screen; via the recipient registration wizard or via the menu.

3.1.6.1   Registration via the recipient registration wizard

After you entered the HLA antibody specificities in the Antibodies per Recipients screen and used the Next button, the following prompt appears:
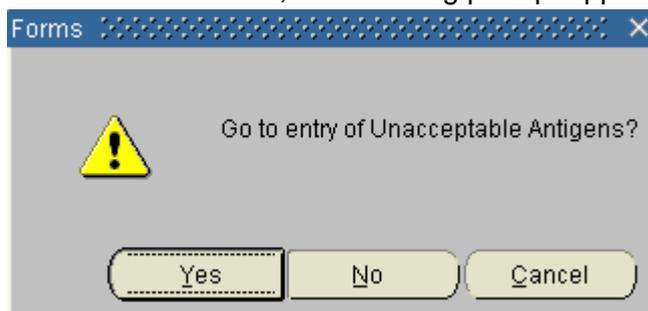
If you want to go to the entry of the unacceptable antigens choose 'Yes'. If you don't want to enter unacceptable antigens, choose 'No'.

When you have chosen to go to the unacceptable screen, the following message appears (depending on the data entered in the Antibody Screening per Recipient screen):
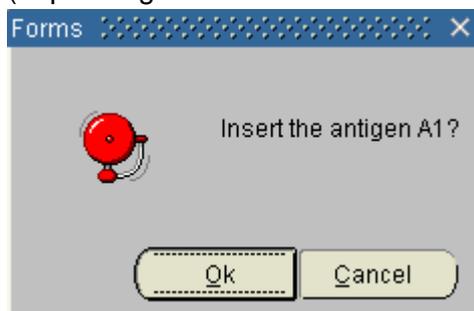
You have two options: OK and Cancel. When you choose 'cancel', you stay in the unacceptable antigens screen, but the antigen has not been inserted.
This message appears for all antigens entered in the Antibody per recipient screen.
After "Ok", the antigen(s) appear in the unacceptable antigens screen.

Registration of unacceptable antigens:
The screen contains two tab pages: "Lab. Results" and "Unacceptable Antigens".

Lab. Results

The data is automatically entered when a row is created. If you want to enter a new row, you can use F6 or the button with the green plus:

The field 'Entry Date' is filled automatically with the date of entry and cannot be changed.
The field 'Lab' is mandatory. Enter the code of the laboratory that determined the unacceptable antigens. Use F9 or the LOV button to select the lab code. It is only possible to use a center code ending with 'TT' e.g. NLBTT.
The field "Sample date" is the date the sample is taken.
The field "Unacceptable antigens" is a view-only field and will be filled when the unacceptable antigens are entered in the tab page "Unacceptable Antigens".
The checkbox 'Match Occurred' will be checked if the result set is used in an ETKAS, ESP or Cross-over match. The 'Comments' field can be uses for any comment.

Unacceptable Antigens

When an earlier entered result set exists, this will automatically be copied in a new set for you to edit. If not, the fields are empty for you to enter the first set.

You can use the arrow, F9 or type in the antigens directly.

It is not possible to enter an antigen which is also in the recipient's 'Acceptable Antigens'. The following message will appear:
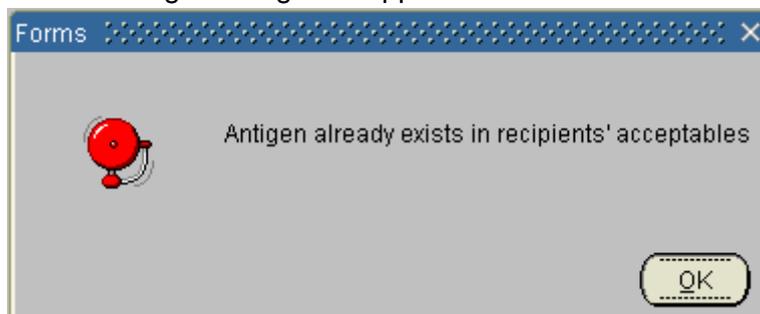
Note: it is not possible to enter an antigen which is also in the recipient's full match phenotype. The following message will appear:
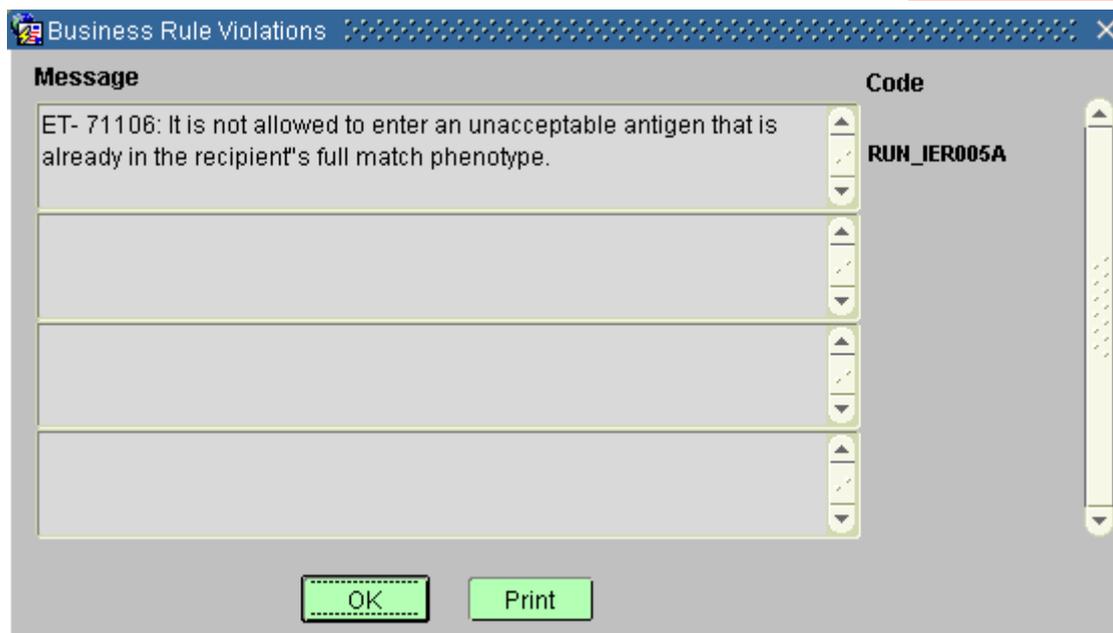
Click 'OK' and the entered antigen can be changed. Click 'Print' if you want to print this message.

It is possible to enter a split able broad HLA antigen but you cannot enter a split able broad antigen and one of the splits simultaneously. The following prompt appears:
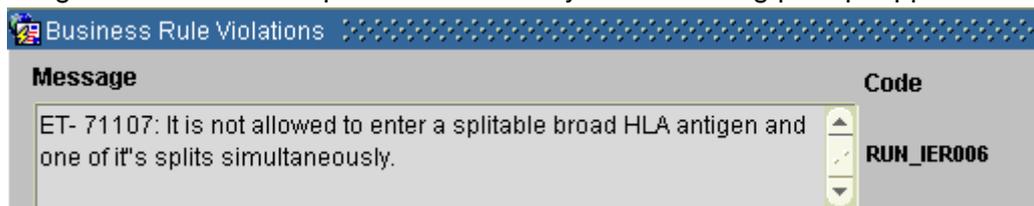
Click 'Print' if you want to print this message. Click 'OK' and the entered antigen can be changed.

When an antigen is entered twice the following message appears:
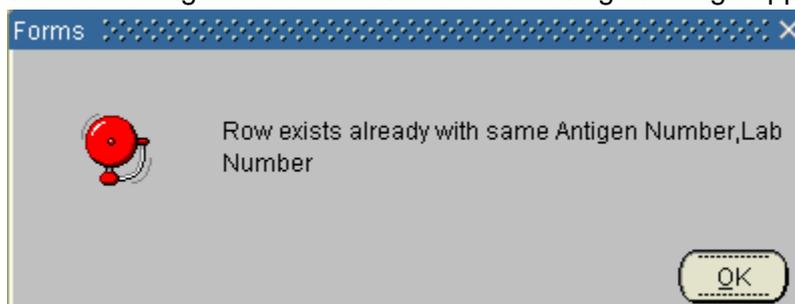
Click 'OK' and the entered antigen can be changed.

By using the X-button on the above right corner of the window to exit the screen, you will return to the recipient registration wizard. The next screen in the wizard is the Organ screen. Which organ screen depends on the organ(s) you have chosen in the second screen of the wizard, the 'Choose Organs' screen.

3.1.6.2   Registration via the recipient menu

Go to Recipient – Immunological Results – Unacceptable Antigens. The screen opens. For description how to register the unacceptable antigens, see "Registration via the recipient registration wizard" (3.1.6.1).

3.1.7 Organ screens in general

When more organs have been chosen, the system first shows one organ and after filling in the data, the other organ(s) is (are) shown. The system also checks which donor profile(s) must be entered. For example: with a Kidney/ Pancreas recipient only the pancreas profile can be entered. The kidney profile cannot be entered; the tab page is not accessible. The donor profile is accessible as a tab page via the organ screens.

All changes on the Urgency are monitored and stored in the database. You can look at these changes on the screen Recipient – Status and Events, tab page Urgency Status.

Note: only Eurotransplant has the authorization to register the next urgency codes and special statuses:
- HU (Heart, Lung, liver and kidney recipients)
- 1A HU (only for Dutch heart recipients)
- 1B HU (only for Dutch heart recipients)
- SU (Pancreas, Vascularized international and IS national only (not applicable for German recipients)
- ACO (approved by ET audit committee).

Please send the right application form to Eurotransplant to request for one of these urgency codes. The forms can be downloaded from the Eurotransplant member site. Go to 'Forms'. Here you can select the form needed for the urgency request, the form can be printed and send to Eurotransplant.

Please note: HU status for the thoracic organs (both national and international HU) must be requested via the Thoracic urgency request application. This application is access able via the Eurotransplant member site.

3.1.8 Kidney specific screen

The Kidney organ screen contains five tab pages: "General", "Dialysis Data", "Donor Profile", "Listing Details" and Special Listings.

General

The urgency code has to be registered in this screen. The available urgencies are T, I, HI and NT. When you point with your cursor in the field 'Urgency', urgency code will be adjusted to the level of the most recent PRA screening (T, I or HI). If there are no entries, the urgency code is set as T_KI (Transplantable). When later on the Antibodies screen is completed, the urgency code will then change accordingly to the antibodies percentage.

HI – Highly Immunized	Allo-PRA% 85 – 100
I – Immunized	Allo-PRA% 6 – 84
T – Transplantable	Allo-PRA% 0 – 5

The urgency NT (Not Transplantable) or R (Removed) can be entered. In these cases the field Reason becomes mandatory. A reason for the urgency Not transplantable or Removed must be entered.

It is possible to enter a Comment on the urgency code.

When a recipient needs a living transplantation it can be entered here. For non-German recipients the urgency will change automatically to NT, with Reason 'On waiting list for living donor'.

When a German recipient is put on the waiting list for a living transplantation, the urgency code must be active (T, I, HI or HU) at time of registration and transplantation, according to the German law. When Living is 'Yes' and the urgency is NT the following message will appear:
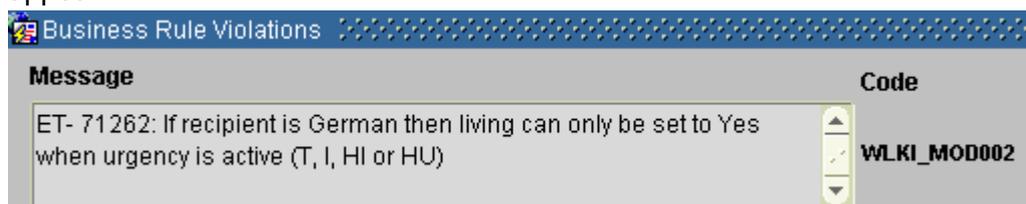
The Primary Disease Code is mandatory. This is the disease that caused the recipient to be registered on the waiting list for an organ. When you enter an EDTA code the complementary ICD10 codes are listed in the LOV of that field.

The same applies the other way around: when you choose an ICD10 code first the complementary EDTA codes are listed in the LOV. For German recipients, the ICD10 code is mandatory.

Other relevant diseases can also be entered.

The 'Date put on Waiting List' is automatically filled with the date of registration on the waiting list. This field is not updatable.

A "Match Comment" can be entered. This comment appears on the Eurotransplant match list if the recipient is selected. In this comment, additional profile information or requests can be entered.

Note: if additional profile items are entered, this may result in the fact that your recipient will not receive an offer! For example if you enter that you will only receive an offer from a donor with a max. weight of 50kg and the donor is 60 kg, your recipient will not receive an offer!! It is the responsibility of the center to check if the entered match comments are up to date.

After entering all information, go to the next tab page.

Dialysis Data

In this tab page the dialysis data can be entered.

If the recipient is on dialysis, enter the information concerning the dialysis, such as Dialysis Center, the address and country and the name and number of the Physician of the recipient.

When the recipient is not on dialysis, enter the value 'ND' (Recipient not on dialysis) in the field 'Technique'. After this the 'Date of (Re) Institution of Dialysis' will automatically change to not-enterable.

After entering all information, go to the next tab page.

Donor Profile

In this tab page the recipient specific kidney donor profile can be entered.

The profile items are not mandatory. When there is no data entered, the system will use the

center donor profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile, shown in view only fields.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- Accept en bloc (=<5yr)
  This is a Yes/ No field, indicating whether en bloc offers for donors of age 5 and younger are accepted. No automatic filtering is done on this item. It appears on the match reports that are used by the Eurotransplant duty office.
- NHB Donor
  This is a Yes/ No field, indicating whether non-heartbeating donors are accepted for this recipient.
- Euthanasia donor
  This is a Yes/ No field. 'Yes' means euthanasia donors are accepted, 'No' means they are not accepted for this recipient.
- ESP (donor >= 65 yr)
  This is a Yes/ No field, indicating whether ESP donors are accepted. These are donors 65 years of age or older
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.
- Sepsis, Meningitis, Malignant Tumor, Drug Abuse, Domino Donor, Rescue Allocation
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.
- Accepted broad HLA mismatch criteria
- The accepted broad HLA mismatch criteria selection area contains six lines. The first three lines contain the mismatch criteria, shown in a vertical line (A, B and DR). They must be read from top to bottom. The fourth line is a selection (Accept) line, where the criteria can be individually selected by checking the checkbox. The fifth line is for your information; it shows the total number of mismatches for the corresponding criteria. The sixth line contains the center profile.
  Criteria can be individually selected and deselected, there are no limitations. When you want a recipient to accept a different set of mismatch criteria than those specified in the center profile, you must specify all desired mismatch criteria (in the Accept line).

Note: if a recipient has the "Pediatric status", the items "Maximum donor age" and "Accepted HLA mismatches" are mandatory.
After entering all information, go to the next tab page

Listing Details

This tab page shows the waiting list details. It is an overview of waiting days and the cumulative transplants. No data can be changed in this screen, it is view only.

When waiting time has been returned, this is shown in the field 'Previous'. The field 'Current' shows the current waiting days. The field 'Match' shows the points that will be used in the match.

The 'Date put on Waiting List' is shown. The 'Date out of Waiting Room' is the date all recipient data necessary for matching are completed.

The fields Cumulative Transplants show the number of previous Kidney and/or other organ transplants

The check box AM Recipient is checked if the recipient participates in the AM programm. This check box is read only.

The section applied bonuses shows if the recipient receives an additional bonus.
The field "Pediatric status" shows if the recipient is considered a pediatric recipient. This status has influence on the match, pediatric recipient receive an additional bonus.
The field "Kidney after liver transplant" shows if the recipient receives this additional bonus. For more information concerning this bonus (For details, see ET Manual, chapter 04 ETKAS)

Special listings

The fields "Recipient proven to be in maturation", "Maturation Confirmed on" and "Valid until" can only be entered by Eurotransplant. These fields offer the possibility go give the recipient an extended pediatric status. (For details, see ET Manual, chapter 04 ETKAS)

In the section Minimum Creatinine clearance for Kidney after Liver the sample date and value of the Creatinine clearance can be entered. These fields are only available if the recipient is eligible for the "Kidney after Liver transplant" bonus.

The field "Participating in" is for the **German** recipients as of the age of 64 years and older.
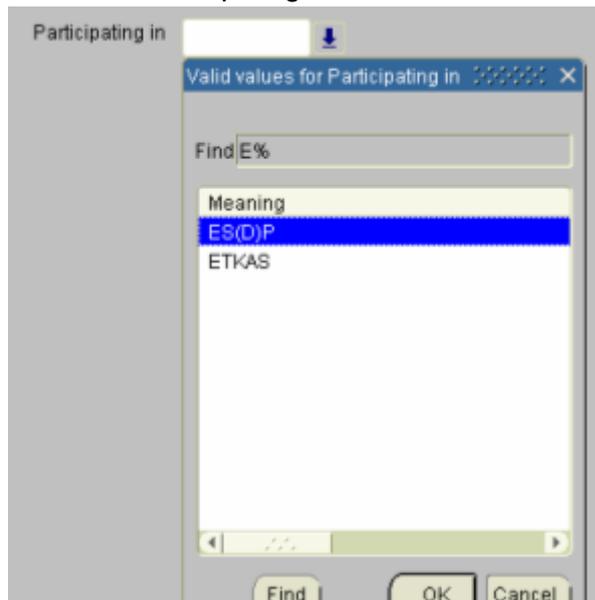
In this field can be entered whether the recipient wants to participates in the ETKAS or in the ES(D)P match. In case ETKAS is chosen, the recipient will be excluded out for the ES(D)P match and vice versa.
For German recipients as of the age of 65 years it is mandatory to enter this tab page.
If no selection was made, the recipient will automatically participate only in the ETKAS match.
This field has no effect for recipients under 65 years and non German recipients and can remain empty

When this is the last screen in the recipient registration wizard, at the bottom is shown: 'This is the last screen of the Recipient Registration Wizard'. The Next button has changed into a Finish button. By clicking Finish, the registration is completed. When there are other Organ screens to fill out, the recipient registration wizard will direct you to these screens.

3.1.9   Heart specific screen

The Heart organ screen contains three tab pages: General, Donor Profile and Listing Details.

General

On this first tab page the urgency code and primary disease code have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed). When urgency R or NT are entered or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: medical and two days later the recipient is NT, reason: on request of recipient (Holiday).
When the recipient is put on HU (automatically due to pediatric status of manually by ET), a reason is entered.
The reason belonging to the status NT, R or HU is shown in Status and Events (Recipient – Status and events).
It is possible to enter a Comment on the urgency code.

The field Hospitalized is only access able for Eurotransplant and is entered after the center requested the Hospitalized status for a pediatric recipient (recipients of <16 years or recipients proven in maturation). The field shows if the request was accepted or not. After the decision is registered, this is shown in Recipient – Status and event
The field Proof of Maturation is only access able for Eurotransplant and is entered after the center requested the In Maturation status for a recipient of 16 years or older. The field shows if the request was accepted or not. After the decision is registered, this is shown in Recipient – Status and event
Note: for more information concerning the status "In maturation" and Hospitalized, see ET manual chapter 6 Thoracic allocation.

You must enter the ET Disease Code. If there is a corresponding ICD10 code, the system will fill this in automatically. If there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification. The field 'Comment on PDC (Primary Disease Code)' will then become mandatory, e.g.: ET code 1204 Cardiac

cancer – specify. For the German recipients it is mandatory to enter the ICD10 code.
A "Match Comment" can be entered. This comment appears on the Eurotransplant match list if the recipient is selected. In this comment, additional profile information or requests can be entered.

Note: if additional profile items are entered, this may result in the fact that your recipient will not receive an offer! For example if you entered that you will only receive an offer from a donor with a max. weight of 50kg and the donor is 60kg, your recipient will not receive an offer!! It is the responsibility of the center to check if the entered match comments are up-to-date.

The Date put on Waiting List will default to today and cannot be changed by remote users. The fields 'Foreign HU Approval' and 'Approved Combined Organs (ACO)' are fields that only can be entered by Eurotransplant. If a recipient is accepted for international HU or is approved for an ACO status, the field will be put on 'Yes'. To request these statuses: use the required forms and send them to Eurotransplant.

After entering all information, go to the next tab page.

Donor Profile
On this tab page the recipient specific heart donor profile can be entered.

The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile in view-only fields. If the recipient has an active urgency status on the Heart **and** Lung waiting list, the recipient specific heart donor profile cannot be entered.

The following requirements can be entered:
- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- Min Height Male/Female Donor (cm), Max Height Male/Female Donor (cm)

Mandatory: minimum and maximum acceptable donor height in centimeters. It must be entered for female and for male donors. Only whole numbers can be entered.

- Min TLC (liter), Max TLC (liter)
  View only: minimum and maximum acceptable donor TLC (Total Lung Capacity). This item can be entered in the specific lung donor profile, if the recipient is also on the waiting list for lungs

- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.

- CMV
  This is a mandatory item, automatically 'Any" is filled in. There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.

- Sepsis, Meningitis, Malignant Tumor, Drug Abuse, Domino Donor, Rescue Allocation
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.

- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.

Listing Details
This tab page shows the waiting list details.

It is an overview of waiting days (in the different urgency statuses) and the cumulative transplants. No data can be changed in this screen, it is view only.

When the urgency code for an adult recipient is HU (international), the fields 'Date Last (Re)

evaluation' and 'Date next Re-evaluation' are filled. If a re-evaluation is accepted, Eurotransplant will change the 'Date Last (Re) evaluation'. Then the field 'Date next Re-evaluation' will be updated automatically. The Button 'Print Letter' is used only by Eurotransplant. The button prints the letters send to the transplant centers with the date the recipient has to be re-evaluated for HU.

When the Hospitalized request for a pediatric recipient is accepted, ET will enter the date of Hospitalization in the field "Date Request Hospitalized". The Button 'Print Letter' is used only by Eurotransplant. The button prints the letters send to the transplant centers with the confirmation of the acceptance for status Hospitalized.

When the In Maturation request for a recipient is accepted, ET will enter the X Ray in the field "Proof of Maturation (X Ray Date)". After saving the field 'Date next Re-evaluation' is filled. The Button 'Print Letter' is used only by Eurotransplant. The button prints the letters send to the transplant centers with the date the recipient has to be re-evaluated for In maturation status.
Note: for more information concerning the status "In maturation"and Hospitalized, see the ET manual chapter 6 Thoracic allocation on the ET web site

By choosing the NEXT button of the recipient registration wizard at the bottom of this screen, you will automatically go to the Heart Waiting list Follow Up screen. First you'll see the following screen:

The data you just entered in the heart organ screen are saved. Choose OK.

On this screen follow up data can be entered, some items are mandatory. These items have a "*" in front of the item name. There is a separate manual for this screen. It can be found on the ET member site, under Library.

When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.

3.1.10 Lung specific screen

The Lung organ screen contains three tab pages: General, Donor Profile and Listing Details.

General

On this first tab page the urgency code, primary disease code and lung requirement have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed). When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

When urgency R or NT are entered or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in Status and Events (Recipient – Status and events). It is possible to enter a Comment on the urgency code.

Note: if a lung only recipient is re-registered on the lung waiting list or placed on an active status, a new LAS score should be entered

When the re-registration on the waiting list is saved, a screen will appear where you can navigate to the Thoracic Urgency application where a new LAS score can be requested.

Select the button "Thoracic Urgency Request if you want to request a new LAS score. Select Exit if you don't want to enter a new request immediately. For more information concerning LAS scores and requests, see the section Projects & Themes on the ET member site or the Thoracic Urgency request manual under the section Library.

Living (transplantation) is mandatory. For non-German recipients the urgency will change automatically to NT. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'.

You must enter the ET Disease Code. If there is a corresponding ICD10 code, the system will fill this in automatically. If there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification. The field 'Comment on PDC (Primary Disease Code)' will then become mandatory, e.g.: ET code 1610 Occupational lung disease – specify. For the German recipients it is mandatory to enter the ICD10 code.
A "Match Comment" can be entered. This comment appears on the Eurotransplant match list if the recipient is selected. In this comment, additional profile information or requests can be entered.
Note: if additional profile items are entered, this may result in the fact that your recipient will not receive an offer! For example if you entered that you will only receive an offer from a donor with a max. weight of 50kg and the donor is 60kg, your recipient will not receive an offer!! It is the responsibility of the center to check if the entered match comments are up-to-date.

Lung requirement is mandatory and specifies which lung(s) or part of the lung the recipient needs.
The Date put on Waiting List will default to today and cannot be changed by remote users.

Recipient TLC is automatically calculated for German recipients, but the value is adjustable. The field is not available for Non-German recipient and the TLC is not calculated for these recipients

The fields 'Foreign HU Approval' and 'Approved Combined Organs (ACO)' are fields that only can be entered by Eurotransplant. If a **combined heart/lung** recipient is accepted for international HU or a LU recipient is approved for an ACO status, the field will be put on 'Yes'. To request these statuses: use the required forms or and send them to Eurotransplant

or send the request via the Thosracic urgency request application.

After entering all information, go to the next tab page.

Donor Profile

On this tab page the recipient specific lung donor profile can be entered. The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile in view-only fields.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.

- Min TLC (liter), Max TLC (liter)
  Minimum and maximum acceptable donor TLC (Total Lung Capacity).
  Note: there is a resctriction on min. and max. TLC for German recipients (not below 10% and not more than 20% of the recipients TLC). The restriction on max. TLC disappears if the field Size reduction planned is set to "Yes".

- Min Height Male/Female Donor (cm), Max Height Male/Female Donor (cm)
  View only: minimum and maximum acceptable donor height in centimeters, for male and female donors. This item can be entered in the specific heart donor profile, if the recipient is also on the waiting list for a heart.

- Size Reduction planned
  Only available for German recipients. This is a Yes/No field. Yes means that a size reduction of the accepted lungs is planned

- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.

- CMV
  This is a mandatory item, automatically 'Any" is filled in. There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors will be accepted.
- Sepsis, Meningitis, Malign. Tumor, Drug Abuse, Domino Donor, Rescue Allocation
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.
- Rescue Alloc.
- This is a Yes/ No field. 'Yes' means rescue allocation offers (center offers) are accepted, 'No' means they are not accepted for this recipient.
- NHB Donor
  This is a Yes/ No field. 'Yes' means non-heart beating donors are accepted, 'No' means they are not accepted for this recipient.
- Euthanasia donor
  This is a Yes/ No field. 'Yes' means euthanasia donors are accepted, 'No' means they are not accepted for this recipient.
- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.

Listing Details

This tab page shows the waiting list details. It is an overview of waiting days (in the different urgency statuses) and the cumulative transplants. This screen also shows the LAS score currently used in the match. If no LAS score has been entered, the Current LAS score is 0. No data can be changed in this screen, it is view only.

When the urgency code of the selected recipient is HU for combined HE/LU, the fields "Date Last (Re) evaluation"and 'Date next Re-evaluation' are filled. If the recipient has the national

HU status for LU only, only the field "Date Last (Re) evaluation: is filled. If a HU HE/LU re-evaluation is accepted, Eurotransplant will change the 'Date Last (Re) evaluation'. Then the field 'Date next Re-evaluation' will be updated automatically. The Button 'Print Letter' is also used by Eurotransplant. These are the letters send to the transplant centers with the date the recipient has to be re-evaluated for HU.

At the bottom is shown: Next: Data belonging to waiting list lung". The button Next navigates to a screen offering you the possibility to enter data for the LAS score.

If you want to enter a LAS score for your recipient, click Thoracic Urgency Request. A web application is opened automatically, where a request for LAS score can be entered en send to ET. There is a separate manual for this application. The manual can be found on the ET member site, under Library. More information concerning the LAS score can be found on the ET website, under Projects and Themes.

If you don't want to enter a LAS score, click Finish. This is the last screen of the Recipient Registration Wizard.

If you have entered the LAS core, click Finish.

By clicking Finish, the registration in Enis is completed.

3.1.11   Liver specific screen

The Liver organ screen contains four tab pages: General, MELD, Donor Profile and Listing Details.

General

On this first screen the urgency code and the indication for transplantation have to be registered. The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed).

When urgency R or NT are entered, or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: Medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in the screen Status and Events (Recipient / Status and events). It is possible to enter a Comment on the urgency code.

Living (transplantation) is mandatory. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'. For non-German recipients the urgency will change automatically to NT. When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

The indication for transplantation is mandatory. A list of values is available (ELTR coding system) and a comment can be entered. For the German recipients it is also mandatory to enter the ICD10 code.
Other liver diseases and other relevant diseases can also be entered.

The field "Intestine" is for Eurotransplant only. If you have a combined live/ intestine recipient, register all information for the liver. Send a fax to the Eurotransplant help desk with all recipient information and the request to register this recipient for intestine transplantation.

Note: when the recipient only needs an intestine (not in combination with any other organ) register the recipient and then send a fax to Eurotransplant, because there is no waiting list

registration for intestine only. See 3.1.13 for more information.

A "Match Comment" can be entered. This comment appears on the Eurotransplant match list if the recipient is selected. In this comment, additional profile information or requests can be entered.
Note: if additional profile items are entered, this may result in the fact that your recipient will not receive an offer! For example if you entered that you will only receive an offer from a donor with a max. height of 170 cm and the donor is 180 cm, your recipient will not receive an offer!! It is the responsibility of the center to check is the entered match comments are up –to-date.

The field 'Approved Combined Organs (ACO)' is a field that only can be entered by Eurotransplant. If a recipient is approved for an ACO status, the field will be put on 'Yes'. To request this status: use the required forms and send them to Eurotransplant.

After entering all information, go to the next tab page.

MELD

This screen must be used for registration of the initial MELD score. It is mandatory to enter lab results related to the MELD score. Without the MELD score, it is not possible to register a liver recipient on the waiting list.

The Meld score is calculated for all adult liver recipients. For all recipients younger than 12 the PELD score is calculated, but the score will not be shown (used for research purposes only).

The red fields are mandatory. The sample date can be filled by using F9 which shows a calendar list or simply type the date. All labvalues and units are mandatory including Renal replacement therapy (Yes/No) and MARS therapy (Yes/ No), except for Albumin. Albumin is only mandatory fot pediatric recipients.

The field MARS Therapy indicates if the recipient is currently on "Molecular Adsorbents Recirculation System" therapy or not. This field is added on request of the ELIAC committee,

to be able to evaluate the use of MARS therapy in liver recipients. It has no influence on the MELD score itself.

The fields Na+, CHE and Ferritin are added on request of the ELIAC committee, to be able to investigate the influence of these Lab values on the MELD score. It has no influence on the MELD score itself.

There can now be chosen between two different units for Creatinin, Bilirubin, Sodium and Cholinesterase (CHE): mg/dl, µmol/l. For Albumin g/dl or g/l can be chosen. For Ferritin the units are ng/ml or ug/l. If the values for Sodium, Cholinesterase of Ferritin are not available, select the checkbox N/A.

A 'Comment' can be entered for each row of results.

Note: If the recipient needs to be Recertified you must use the MELD application on the ET member site. Reconfirmation is not possible in the ENIS screens.

After entering all information, go to the next tab page.

Donor Profile

On this tab page the recipient specific liver donor profile can be entered. The red fields are mandatory. In case the not mandatory items are not entered, the computer will use the Center Donor Profile for matching. The recipient specific profile has always priority over the center specific profile. Next to the items you can fill out, you see the center profile in view-only fields.

The following requirements can be entered:
- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: Any and Neg, selectable by the arrow. Any means that positive and negative donors are accepted. When entering Neg, only negative donors

will be accepted.

- Euthanasia donor
  This is a Yes/ No field. 'Yes' means euthanasia donors are accepted, 'No' means they are not accepted for this recipient.
- NHB Donor
  This is a Yes/ No field. 'Yes' means non-heart beating donors are accepted, 'No' means they are not accepted for this recipient.
- Min Weight, Max Weight
  Mandatory: minimum and maximum acceptable donor weight. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
- Domino Donor, Explanted Liver
  These are Yes/ No fields, indicating whether a domino donor or explanted liver is accepted or not.
- Split Liver
  Mandatory: these are Yes/ No fields, indicating whether a split liver is accepted or not. There are four possible splits: LLS (Left Lateral Segment), ERL (Extended Right Lobe), LL (Left Lobe), RL (Right Lobe). For each one has to be entered if it is accepted or not.
- Sepsis, Meningitis, Malignant Tumor, Drug Abuse, Rescue Allocation
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.
- Marginal Donor
  This is a Yes/ No field, indicating whether a marginal donor is accepted or not. A donor is a marginal donor when one of the following items is met:
  - Age > 65 years
  - ICU stay with ventilation > 7 days
  - BMI > 30
  - Steatotic liver > 40% (Biopsy proven)
  - Serum Sodium > 165 mmol/l
  - SGPT (ALAT) > 105 U/l
  - SGOT (ASAT) > 90 U/l
  - Serum Bilirubin > 3 mg/dl
- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.

Note: The entered donor profile is ignored when a recipient has the status HU.

Listing Details

This tab page shows the waiting list details. It is an overview of waiting days (for HU/ACO), MELD scores National/ International and the cumulative transplants.

If the recipient has the HU status for Liver, this HU status must be re-evaluated every 14 days. Date last (Re-) evaluation shows the date of the last evaluation of the HU status. Date next Reevaluation shows the date the HU status has to be evaluated. More information can be found in the ET manual, under Library on the ET Membersite.

No data can be changed in this screen, it is view-only.

When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.

3.1.12   Pancreas specific screen

The Pancreas organ screen contains four tab pages: General, C-Peptide, Donor Profile and Listing Details.

General

On this first tab page the urgency code, type of transplant and, primary disease code have to be registered, these are mandatory items.

The available urgency codes are T (Transplantable), NT (Not Transplantable) and R (Removed). When urgency R or NT are entered, or changed to these statuses', it is mandatory to enter a reason. It is possible that the urgency doesn't change, but the reason does. E.g.: a recipient is NT, reason: medical, and two days later the recipient is NT, reason: on request of recipient (Holiday). This is shown in the screen Status and Events (Recipient – Status and events). It is possible to enter a Comment on the urgency code.

Type of Transplant is mandatory. Has the recipient to be put on the waiting list for a vascularized Pancreas (PA) or only islets (IS).

Living (transplantation) is mandatory. For non-German recipients the urgency will change automatically to NT. By entering the screen, 'No' is automatically entered. This can be changed into 'Yes'. When a German recipient is put on the waiting list for a living transplantation, the urgency code must be transplantable at time of registration and transplantation, according to the German law.

The ET code is mandatory. An LOV (list of values) is available and a comment can be entered. If there is a corresponding ICD10 code, the system will fill this in automatically. If there are multiple corresponding options, the LOV will be limited to these options. Some ET codes need further specification. The field 'Comment on PDC' will then become mandatory, e.g.: ET code 4 other. For the German recipients it is mandatory to enter the ICD10 code. Other relevant diseases can also be entered.

A "Match Comment" can be entered. This comment appears on the Eurotransplant match list if the recipient is selected. In this comment, additional profile information or requests can be entered.
Note: if additional profile items are entered, this may result in the fact that your recipient will not receive an offer! For example if you entered that you will only receive an offer from a donor with a max. weight of 50kg and the donor is 60kg, your recipient will not receive an offer!! It is the responsibility of the center to check is the entered match comments are up-to-date.

The Date put on Waiting List will default to today and cannot be changed by remote users.

The field 'Approved Combined Organs (ACO)' is a field that only can be entered by Eurotransplant. If a recipient is approved for an ACO status, the field will be put on 'Yes'. To request this status: use the required forms and send them to Eurotransplant.

The fields "IA-2", "ICA" and "GAD" are not mandatory. Enter in these fields if the antibodies are 'Negative' or 'Positive'.

After entering all information, go to the next tab page.

C-Peptide

On this tab page the C-Peptide value of the recipient, with the sample date, must be entered. It is mandatory. When there is no C-Peptide entered or the value is higher than 0.5 ng/ml or 0.17 nmol/l, the recipient will automatically have the status NT. Until the C-Peptide is entered, this status cannot be changed. Comments on the C-Peptide can be entered

When the C-Peptide is too high, the staff of Eurotransplant contacts the center, to obtain extra information and then contacts the EPAC. If the EPAC approves the registration on urgency "T", ET enters 'Yes' in the field "EPAC Approval". After this, the urgency of the recipient can be changed to urgency T.

After entering all information, go to the next tab page.

Donor Profile

On this tab page the recipient specific pancreas donor profile can be entered. It is not mandatory. Next to the items you can fill out, you see the center profile in view-only fields. The recipient specific profile has always priority over the center specific profile. When there is no data filled out, the computer will use the center donor profile for matching.

The following requirements can be entered:

- Min Age, Max Age
  Minimum and maximum acceptable donor age. Only whole numbers can be entered.
- HbsAg, HbcAb, HCVAb
  There are two possible entries: "Any" and "Neg", selectable by the arrow. Any means that positive and negative donors are accepted. When entering "Neg", only negative donors will be accepted.
- Euthanasia donor
  This is a Yes/ No field. 'Yes' means euthanasia donors are accepted, 'No' means they are not accepted for this recipient.
- NHB Donor
  This is a Yes/ No field. 'Yes' means non-heart beating donors are accepted, 'No' means they are not accepted for this recipient.
- Sepsis, Meningitis, Malignant Tumor, Drug Abuse, Domino Donor, Rescue Allocation
  These are a Yes/ No fields. 'Yes' means these donors are accepted, 'No' means they are not accepted for this recipient.
- Exclude Recipient from No Capacity
  This is a Yes/ No field. 'Yes' means that this recipient will appear on the ET match list, if the center has no capacity. 'No' means that this recipient will not appear on the ET match list, if the center has no capacity.

Listing Details

This tab page shows the waiting list details. It is an overview of waiting days and the cumulative transplants. No data can be changed in this screen, it is view only.

When this is the last screen in the recipient registration wizard, at the bottom is shown: This is the last screen of the Recipient Registration Wizard. The Next button has changed into a Finish button. By clicking Finish, the registration is completed.

Note: it is NOT POSSIBLE to enter the recipient specific donor requirements in the recipient specific kidney profile when the recipient is on the combined kidney/pancreas waiting list. You can only enter these requirements in the recipient specific pancreas profile.

3.1.13 Registration of an intestine recipient

There is no specific screen for registration of intestine recipients available. When an intestine only recipient has to be registered, enter the recipient as all other recipients (via New – Recipient Registration). After the first screen with recipient data, choose Next. The next screen is the Choose Organ(s) screen. Do not select an organ, but click the Next button. Enter the fields you want to enter. The Medical screen is mandatory (blood group), other data as HLA can be entered. After this is done, send a fax to Eurotransplant with all the relevant recipient information. Ask Eurotransplant to put the recipient on the intestine waiting list. Give the urgency code (transplantable or not transplantable) and send a recipient donor profile. The Medical Administration of Eurotransplant will put these data in ENIS and on a special (manually) intestine waiting list.
Note: when the recipient needs an intestine in combination with any other organ, register the recipient and put the recipient for the other organ(s) on the waiting list. Then send a fax to Eurotransplant with the specific Intestine data (urgency and donor profile).

3.2 Other Screens

3.2.1 Antibody Screening per Center

For all recipients on the kidney waiting list, an actual antibody screening *has* to be available. Every three months the antibody screening must be repeated for all recipients of a transplant center (XXXTP), on urgency T or NT on the kidney waiting list. These repeated antibody screenings are arranged simultaneously for all recipients in a center. The results can be registered simultaneously too in the screen Antibody screening per Center.

Go to Recipient – Immunological Results – Antibody screening – Register per center. When you open the screen, one of the following prompts appears:

or:

When the second prompt appears click OK.
When the first prompt appears: choose 'New Selection' if you want to make a new selection, or choose 'Existing Selection' if you want to use a selection that already exists.
If you choose to make a New Selection, the following message appears:
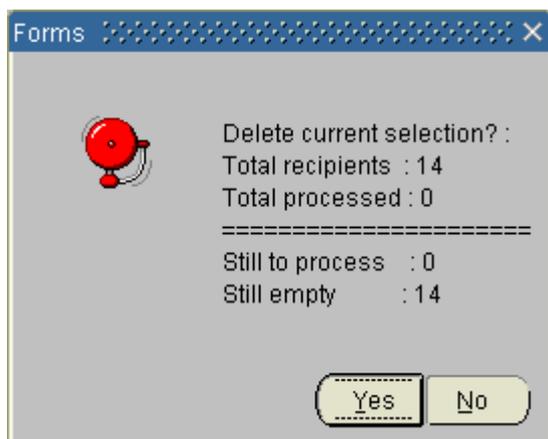
In this message the status of the recipients is shown. Choose 'Yes' if you want to delete the current selection and choose 'No' if you don't want to delete the current selection.

The screen contains three tab pages: Selection, Antibodies and Status. On the top of the screen the Center, Organ and Sort order (Sorted By) of the selection made in the tab page Selection are shown.

Selection

In this screen a selection can be made of recipients per center (and organ) for whom antibody screenings have to be determined and entered. For each recipient, laboratory test data, antibody screening percentages and specificities are registered.

Center, Lab and Organ are mandatory fields for which an LOV is available (F9 or arrow). Lab is the antibody screening laboratory and default filled with the laboratory for which you are authorized. When you are authorized for more than one center it is not filled automatically. Organ is automatically filled with "KI".

Sample Date is the date the test sample was collected. When this date is entered, this date will be updated in all recipient records, but is changeable per recipient in the tab page Antibodies.

The Entry Date is default filled with the current date and time and cannot be changed.

Screen Type is the antibody screening method that has been used. An LOV is available with the following values: DTT, Elisa, CDC, Other and Virtual PRA.

Sort By is a mandatory field and is automatically filled with ET-Nr. With the LOV you can choose the sorting order you want.

By clicking the button 'Make Selection' (or Change Selection if you chose to use an existing selection) the system navigates to the Antibodies tab page to show the first recipient record of your selection.

Antibodies

In this tab page the recipients of the existing selection are shown, one recipient at a time. For each recipient the antibody screening data can be entered. The fields Center, Organ and Sorted By on top of the screen are now filled with data of your selection.

The tab page 'antibodies' shows a recipient header. For each recipient ET number, name, blood group, urgency and dialysis center is shown.

Screen Type, Sample Date, %PRA and Auto are mandatory. When you have filled out the sample date and/or screen type in the tab page selection, they will be shown in this screen. It is possible to change them.

Screen Type is the antibody screening method that has been used. An LOV is available. Sample Date is the date the test sample was collected.
%PRA is the percentage of allo-antibodies, it is a numeric field which is validated to allow any whole number from 0 up to (and including) 100.

Auto means weather there are auto-antibodies present or not. When Auto is positive, DTT crossmatch has to be 'Yes'. An LOV is available.

The percentage of antibodies can change the urgency status if the recipient is registered on the kidney waiting list with urgency T, I or HI (see organ screen for detailed information).

The next field, DTT Crossmatch, is not mandatory. You can fill in 'Yes' or 'No' via the arrow,

whether a crossmatch with DTT is needed for this recipient or not.

When there are Specificities, you can enter them in this tab page. Default the specificities from the most recent sample date are copied in a new set.
When your cursor is in the ET Nr field you can navigate to the previous or next recipient by using the up and down arrows or page-up and page-down.

Note: you can save the data for each recipient, but it is still possible to change the data until you haven processed. It is recommended to periodically save the data that is entered to the database.

When you have entered all your recipients you can go to the tab page 'Status' to process the data.

Note: If the number of screenings to be processed is over 50, bulk PRA lab results may also be sent via email to Eurotransplant. Instructions can be found on the ET Membersite. Go to Library – Specifications for bulk PRA file transfer.

Status

In this tab page the status of the existing selection is shown.
'Recipients Processed' is the number of recipients in the selection that are already processed. 'Recipients Still to Process' is the number of recipients in the selection that still have to be processed. Please note the difference between records saved and records processed as explained on the top of this page. The button 'Process' is to start processing. All recipients with saved antibody screening data are processed. You will get the following message:

'Recipients Still Empty' is the number of recipients for whom antibody screening data still have to be entered.

The entered antibody screening data is saved in a temporary set. The data is only transferred to the recipient antibody screening results in ENIS after the 'Process' button in the Status tab is clicked. The progress of the registration process can be monitored online using a status view.

An overview report can be shown on screen, and can be printed, to show the status of antibody screening data entry of the individual recipients.

With the field 'Recipients on overview' you can choose which recipients you want to print: all recipients, recipients who have processed or recipients who haven't been processed. An LOV is available.
With the fields 'Break on Dialysis Center' and 'Sort Order' you can influence the way the data is shown on the report which you can print with the 'Print Overview' button.
First you have to choose if you want a Break on Dialysis Center: 'Yes' or 'No'. Then you can sort on different items, an LOV is available.
On this report the entered data is shown per recipient:

You can exit ENIS at any time and start the same selection at any time.
Note: we recommend processing data already entered, before leaving ENIS. Remember if you change or remove the old selection, it cannot be used again.

3.2.2   Acceptable antigens

There is a screen for the registration of acceptable antigens for a recipient. The acceptable antigens are only entered for recipients on the kidney waiting list, who participate in the AM program of the Eurotransplant Reference Laboratory (ETRL).

To enter the acceptable antigens, select Recipient – Immunological Results – Acceptable Antigens. Only the Eurotransplant Reference Laboratory (ETRL) is allowed to enter information in this screen. For the other users, this screen is view-only.

The acceptable antigens screen contains three tab pages: AM Protocol, Lab. Results and Acceptable Antigens.

AM Protocol

This is a screen to register that a request to participate in the AM program is accepted or declined. By entering the acceptance status for the AM Program, a recipient will participate in the AM matching process.

Lab. Results

The technical data of the acceptable antigen registration are entered and the history is shown in this tab page. The acceptable antigen registrations are sorted chronologically with the actual on top. On entry of the screen the acceptable antigen registration with the most recent sample date is automatically selected. Depending on the lab result record selected,

the 'Comments' and 'Acceptable Antigens' fields will show the data corresponding to the selected record.

The field 'Entry Date' is default filled with the current date and time and cannot be changed.

The field 'Lab' is mandatory. The laboratory that determined the unacceptable antigens should be entered in this field. Select the lab via F9 or the arrow. It is only possible to use the 'TT-code'.

'Sample Date' is also mandatory. This is the date the test sample was collected.

The 'Comments' field can be used to enter extra information.

After you filled in laboratory and sample date, the tab page 'Acceptable Antigens' becomes available. Before you inserted a laboratory and a sample date, it is not possible to go to the Acceptable Antigens tab.

The 'Match Occurred' box is display only. If the recipient was present in a match the checkbox is checked. This record cannot be updated.

The 'Acceptable Antigens' fields are filled with the data you entered in the Acceptable Antigens tab page, these fields are not updatable.

If you want to enter a new row, you can use F6 or the green plus. It is not possible to update or delete a record after a match is run where the recipient was included in.

Acceptable Antigens
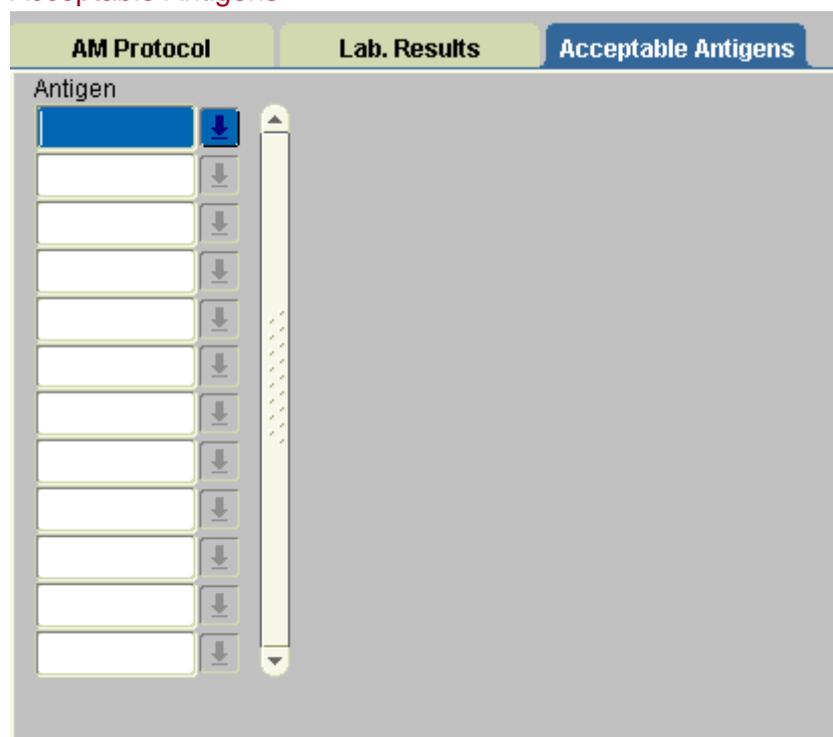
In this tab page you can enter the acceptable antigens found for a recipient. The scroll bar on the right side of the screen makes it possible to scroll to more antigens.
After you entered the acceptable antigens, you can save them with F10 or the diskette-button in your toolbar.

Default the acceptable antigens from the last result set are copied in a new set.

It is not possible to add, change or remove an acceptable antigen from a lab result set after

an AM match has run where the recipient was included in. It is not allowed to enter an antigen that is also in the recipient's unacceptable antigens.
If antigens are removed, a warning is given:
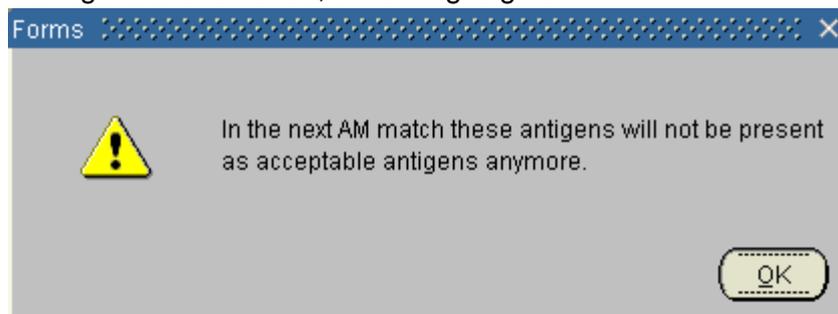
3.2.3   Status and Events

The screen "Status and Events" offers an overview of urgency changes, updates and transplantations of the selected recipient. In this screen you can only view data, it is not possible to enter or change any information.
Select the recipient and go to Recipient – Status and Events. This screen contains three tab pages: Status Overview, Urgency Status and Transplant Events.

Status overview

The Status Overview is updated automatically and gives a history of important events concerning registration and update of information of the recipient. The ET Medical administrators are authorized to enter new records and comments.

Urgency Status

This tab page shows all the changes made in the urgency statuses of the selected recipient, and all comments and reason of urgency change (if applicable).

Transplant Events

This tab page shows all the transplants of the selected recipients, including basic information of the donor.
After registration of a transplantation, the 'Transplant Events' screen will show Entry date, Transplant Date, Organ, Urgency at Transplant, Transplant number, Donor number, Donor Type and in case of a failed transplant: Date of Failure.

3.4   Update registration of recipient

3.4.1   Re-registration of a recipient

When a recipient is removed from a waiting list, due to transplantation or another reason, it is always possible to re-register a recipient. If the recipient is re-registered for the same organ, enter information concerning the failure of the transplant in the screen TXP update.

Go to TXP – Update and select the correct transplant.
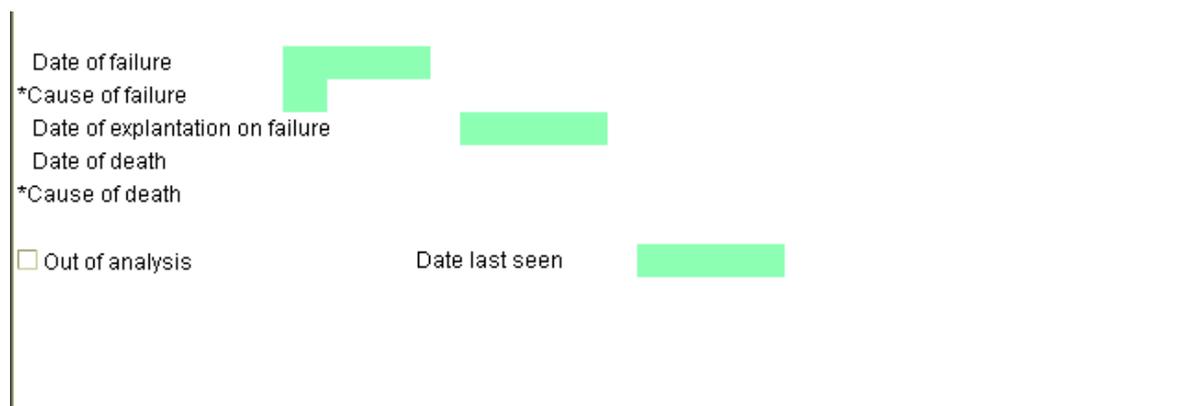
Enter the date of failure in the field 'Date of Failure' and select a 'Cause of failure' from the LOV by F9.
Save the information by using F10 or via the disk.
Then go to Recipient – Organ and select the correct organ. Choose the correct urgency code and save the information. The 'Date put on waiting list' will be the date of re-registration.

Note:
If a liver recipient is re-registered on the liver waiting list, a new MELD score must be entered!
If a lung only recipient is re-registered on the lung waiting list, a new LAS score should be entered! When the re-registration on the waiting list is saved, a screen will appear where you can navigate to the Thoracic Urgency application where a new Las score can be requested.

Select the button "Thoracic Urgency Request if you want to request a new LAS score.
Select Exit if you don't want to enter a new request immediately. For more information concerning LAS scores and requests, see the section Projects & Themes on the ET member site or the Thoracic Urgency request manual under the section Library.

Check other screens to see if the information is up-to-date (weight, height, HLA antibody screening, donor profile etc.) in case of re-registration.

If a Dutch recipient is re-registered, the ENIS system checks if the BSN number is

registered. If there is no BSN number (or reason why this number is not registered), this number must be entered first, before the recipient can be placed back on the waiting list.

3.4.2   Change of urgency of recipient

In case of an urgency change you will have the possibility to enter a comment e.g. "infection" or "holiday of recipient". On certain urgency changes, like NT and R, it is mandatory to fill in the reason for this urgency change.

The urgency of a heart recipient or heart/lung recipient will be automatically changed to HU if the recipient is <16 years of age at time of registration or re-registration (after TXP) and after change of urgency from NT to T status. An event line will be added in the Status and Event screen after automatic upgrade of th urgency.
Note: It is not possible to change the urgency for recipients for whom an organ has been accepted for transplantation, pending the registration of the transplant. The following message appears:
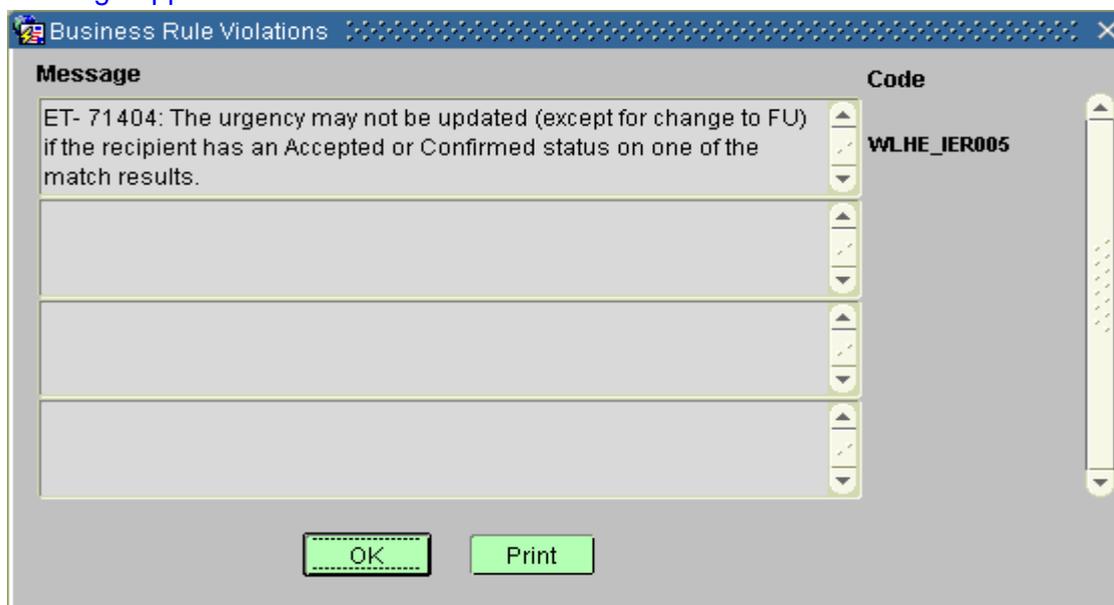
Please register the transplantation or inform Eurotransplant if the transplantation was not done.

The organ screens are accessible via the menu. Go to Recipient – Organ and select the correct organ. The organ screen will open and information can be changed. After the information is updated, save the changes by F10 or via the disk.

3.4.3   Register deceased

When a recipient is deceased a registration in ENIS is needed. Select Recipient – Recipient Deceased. The following screen appears:

This screen contains the following fields: 'Date of Death', 'Code' and 'Comments'.
Enter the date of death and a cause of death (Code). The cause of death can be selected from a list of values. Whenever from the list of values 'Cause of Death' the option 'Other/ Specify' is chosen, it is mandatory to register a comment. Otherwise a comment is optional. After filling in the Recipient Deceased screen, all the waiting lists will be updated automatically and the recipient will not occur in the matching process anymore

3.4.4 View or update Unacceptable Antigens

After registering a recipient it is always possible to view or update the unacceptable antigens. Select Recipient – Immunological Results – Unacceptable Antigens. Now you can see the data that has previously been entered.
If the data is used for matching, the checkbox 'Match Occurred' is checked. It is not possible to change or add data to this row, a new row must be entered.Select an empty row. The 'Entry Date' will be filled automatically. Now it is possible to insert new data. For description see: 3.1.6 Unacceptable Antigens.

3.4.5 View or update HLA information

After registering a recipient it is always possible to view an HLA typing. Select Recipient – Immunological Results – HLA. Now you can see the data that has previously been entered. It is not possible to change or add an antigen of an excisting HLA typing. You'll have to enter a new HLA typing by creating a new record and entering all results again. After the HLA registration you have to create the match phenotype again. It is possible to mix typing techniques from different test results records displayed in the Lab results tab page. For every technique one checkbox can be checked.

3.4.6 View or update Antibody screening

After registering antibody screening, it is always possible to view or update the antibody screening.Select Recipient – Immunological Results – Antibody Screening – Register per Recipient. Now you can see the data that has previously been entered.
If the data is used for matching, the checkbox 'Match Occurred' is checked. It is not possible to change or add data to this row, a new row must be entered. Select an empty row. The 'Entry Date' will be filled automatically. Now it is possible to insert new data. For description see: 3.1.5 Antibody screening per recipient.

4   Donor registration

4.1   Registration of a living donor

If you want to register a living donor, go to Donor – Donor Registration. The donor registration screen will appear. The registration date and time are filled with the date and time of opening this screen. First change "Donor Type" in "Living". Some fields in the Contact tab will now become gray and not enterable and other fields will become mandatory. In Donor registration are 5 tab pages: Contact, Clinical Data, Past History, Reported Organs and Match Data. For a living donor, only the tabs Contact and Reported organs are important.

Contact tab
The tab Contact contains identification data, like date of birth and Identity, and information about the donor hospital. Enter the information. Use the Tab key to navigate through the screen.

The following fields for living donors can be entered:

Registration date   Date of registration of the donor. The date is filled automatically when the screen is opened. This field can <u>not</u> be updated.

Donor Nr   The Donor number will be automatically generated, after all information is entered and saved.

Donor type   Living, selection from LOV.

Center   The donor center, selection from LOV.

ABO   The blood group of the donor, selection from LOV.

Rhe   Rhesus factor, P for Positive / N for Negative, selection from LOV.

Date of birth   Date of birth of donor, format <dd.mm.yyyy>.

Age   Age of the donor, this is automatically calculated after the date of birth
                            is entered. This can not be changed or updated.
Sex   F for Female / M for Male, selection from LOV
Weight   Weight of the donor, in kg.
Height   Height of the donor, in cm.
If the height and weight fall outside the normal values, the following massage will appear:
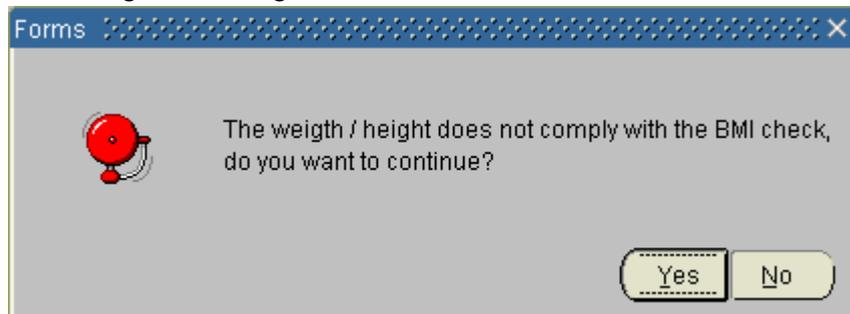
If the entered values are correct, select "Yes" and continue the entering of the information. If
the values are incorrect, select "No" and enter the correct values.

Identity   Name or registration number of the donor.
Relation to recipient   Relation between donor and recipient, selection from LOV. The
following list appears:
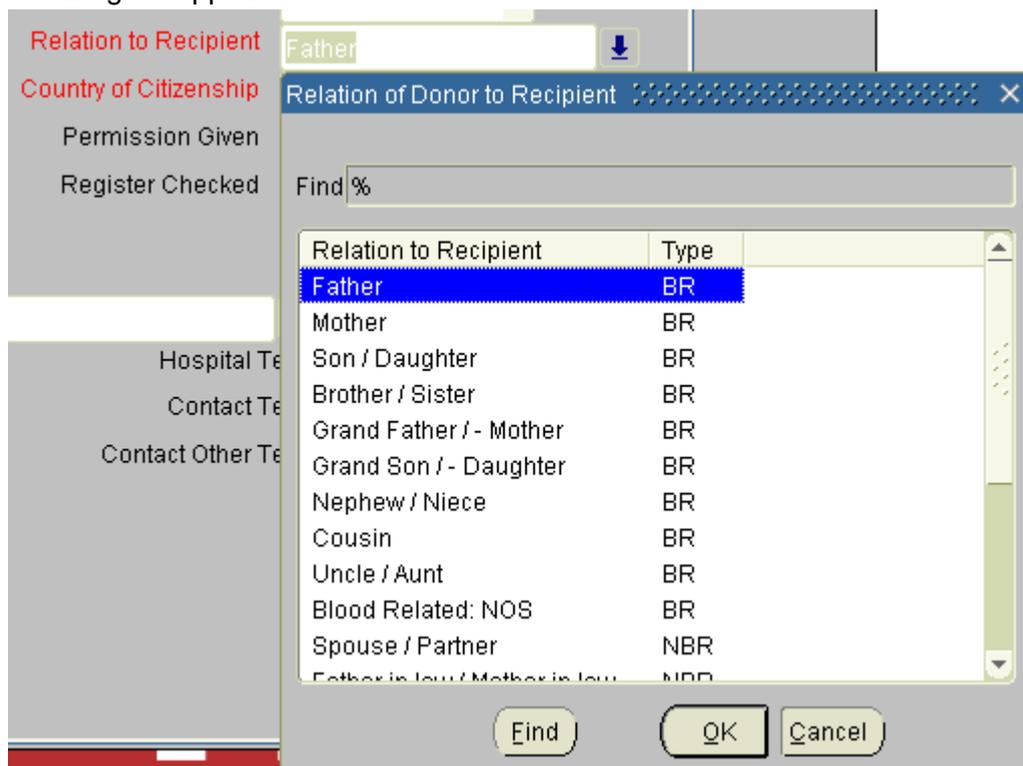
Select the relation from this list. In the list are 2 columns: the relation and type of relation. BR
means "Blood related" (genetically related) and NBR means "Not blood related" (not
genetically related). If the relation is not in the list, select either "Blood related: NOS", 'Not
Blood Related family', "Not Related" or "Not Blood Related: NOS". Describe the relation
between donor and recipient in the tab Reported Organs, in the field "Comments".

Country of citizenship: Name of the country where the donor lives, automatically filled
                                  after the donor center is entered. The field can be changed.

Explantation planned on	Date and time the explantation of the organ is planned, format <dd.mm.yyyy hh:mm>.
BSN	BSN number of donor, for Dutch donors only.
Donor Hospital:	Name of the hospital where the donor is explanted. Selection from LOV. Alternatively free text can be entered.
Hospital Tel nr	The telephone number of the donor hospital, numeric format
Contact person	Name of the contact person in the donor hospital

The red fields are mandatory. If one of these fields is empty, the information can not be saved and no donor number is generated. After all these items have been entered save the donor by F10 or the Save button. The following message box will appear:
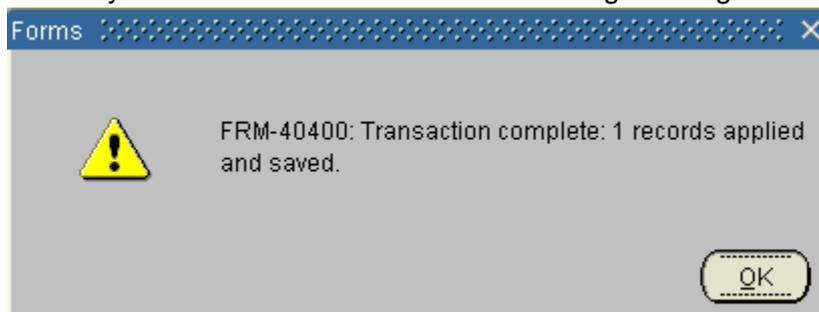
After "Ok", the donor will receive a donor number and the tab Reported organs becomes available. Now register the organ that will be donated to the recipient (see 4.2 Entry of donated organ for description).

Note: Domino donors are registered by Eurotransplant only. If there is a domino procedure in your center, inform Eurotransplant and send the information. The duty officers will register this domino donor and give you the ET donor number. With this number, you can register the transplantation. Cadaveric donors are registered by Eurotransplant or the transplant coordinators via special programs.

4.2   Entry of the donated organ

The next step before a living transplant can be registered is the entry of the donated organ. To do this, go to the tab Reported Organs.

Reported Organs tab

In this screen all organs are set default to "Reported No" with the reason "Living donor". Enter "Yes" for the donated organ. If the relation between donor and recipient was not in the list of the field "Relation to recipient", enter the relation in the "Other Comments" field. After this, save the information by F10 or the disk. After the information is saved, the "procured" status is automatically entered in the ENIS system. This makes registration of the transplantation possible.

4.3   HLA entry

If you want to enter the HLA typing of the living donor, select the donor and go to Donor – Donor HLA – HLA Registration. The following screen opens:

The screen contains two tabs: HLA Lab Results and Pheno Typing. The second tab is not available when you open this screen for the first time.

HLA lab results

On this tab page you will find a block with multiple records. When earlier records exist, the most recent one is shown on top.

Lab Type: Match/Center/Ref/DNA, selection from LOV. Match is used for the entry of HLA to be used in the match, Center is used by the donor center in case of a re-typing, Ref is used by the reference laboratory in Leiden and DNA is used by the donor center to register DNA typing.

TT Lab: The code of the Lab that determined the donor tissue typing, selection from LOV.

Typing Material: The material that was used for the HLA typing, selection from LOV. If "Other" is selected; please specify the material in the "Comments"
field.

Entry Date: Date and time of entering the HLA typing, automatically generated.

ABC Typing Date: Date and time of ABC typing, format dd.mm.yyyy hh:mm.

DR/DQ Typing Date: Date and time of DR/DQ typing, format dd.mm.yyyy hh:mm.

DNA Typing: DNA typing, selection from LOV.

Used for x-match: This field will be filled automatically after the matching has taken place. A match can be made for domino donors, cross over donors or altruistic donors. The match is done by Eurotransplant.

Once you have filled out all necessary items, you must save the information by F10 or the disk. The tab 'Pheno Typing' will become available. If you click on this tab a new screen will appear which is used for the entry of the donor HLA typing.

Pheno typing tab

HLA can be entered directly through typing in the Antigens column on the right side of the screen. Another way is to scroll through the list of Antigens on the left and select the one needed. With the >-button you can move this antigen to the list on the right side. Repeat this for all antigens in your set. The <<-button will remove all antigens in the list on the right, while the <-button will only remove the selected antigen from the right list.

When a split antigen or an allele (DNA) is entered, the system will automatically select the corresponding broad (and split) antigen.

Publics still have to be entered manually.

HLA type entry: advanced search.

When entering the HLA, specific antigens can be filtered by entering the query mode. For example: Look for DR12 by (F7) or the query button. The left block will go into query mode and you can give in a wildcard in the 'Antigen' field: "DR%" (the percent sign stands for an unlimited amount of characters found behind "DR"). F8 (execute query) gives back a list with all DR antigens.

Look for an allele of A24 by F7 and choosing "Allele" from the pop list of the 'Type' field, and fill in the antigen "A24" in the 'Part of' field. The execute query will give back a list of alleles which are part of A24. You can select one and with the >-button bring it to the list on the right.

Note: Multiple selections can be made by holding the CTRL button while selecting the HLA.

Once you have entered the HLA typing, save the information via F10 or the disk. You will see that the list is complemented with the Splits and Broads belonging with the partial antigens you entered

You can see in the Tab HLA Lab Results the 'Full Pheno Type'.

4.4   Organ anatomy registration

After procurement of the organ(s) you must fill in the information about the specific organ(s) in the next screens.

Living kidney donor
Go to Donor – Donor Organ – Donor Kidneys. This screen contains two tabs, one for each kidney. Select the kidney that was explanted.

Enter the information concerning anatomy and explantation. Save the information via F10 or the disk button. Now the transplantation can be registered. For description, see 6.1.3 Registration of a transplant after living donation.
Note: By entering "Nephrectomy at" for the kidney that was donated, it is possible to register the transplantation, even if the donor was registered after the transplant. At time of registration of the transplantation, this is the time the system sees as actual explantation time and not the procured time that was created when the donated organ was selected.

Living liver donor
Go to Donor – Donor Organ – Donor liver. This screen contains three tabs: Preservation Liver, Anatomy Liver and Quality liver.

Enter the information concerning anatomy and explantation. There is one mandatory field, in the tab Anatomy liver: Liver Type. This field is automatically filled with "Whole liver". Don't change this, at time of registration of the transplantation should be registered it was a partial transplant. Save the information via F10 or the disk. Now the transplantation can be registered. For description, see 6.1.3 Registration of a transplant after living donation.
Note: By entering "Hepatectomy at"for the liver, it is possible to register the transplantation, even if the donor was registered after the transplant. At time of registration of the transplantation, this is the time the system sees as actual explantation time and not the procured time that was created when the donated organ was selected.

5   Requesting donor/ recipient information

Since most donors are reported electronically to Eurotransplant by the coordinators, there is a new way to receive the donor information. All donor information available to the Eurotransplant Duty officers is directly available for the centers receiving an offer.
In stead of receiving the reports by fax, all information is available via the internet on secured pages. This means that as soon as new values or the anatomy is available, this can be requested directly. So no more unreadable faxes and no more delay.
During the allocation process, recipient centers can see the Donor-, Organ- or HLA report when an organ is offered to one of their own recipients. As soon as the Eurotransplant allocation office has given the recipient an "Offered code", the donor information can be requested. When an offer was accepted and transplanted, the same organ information is available at any time, without assistance of Eurotransplant.
Note: it is not possible yet to request donor information concerning an intestine offer. There is no Intestine match, so no possibility for the duty officers to enter the "Offered" code for the recipient. The offer must be done via fax.

There are two ways to request donor information: via Donor data or via ENIS. All you need is a username and password to ENIS or the site Donor data.
Note: for running offers, requesting the information via Donor data is faster.
Note: it is possible to request a pass word only for the Donor data website! How a pass word can be acquired, is described in 2.1.1 How to request a pass word.

5.1   Requesting donor/ recipient information via Donor Data/ Donor Reports

If you want to retrieve the donor information of a donor, go to the Eurotransplant member site, log in and select "Donor Reports" form your list with applications or go the special website: www.donordata.eu and enter your username and password.

An internet site will open, where the donor number must be entered (in section "Getting started").

Eurotransplant Donor Report

Database environment: **beta1**

Getting started

Start by typing a donor registration number in the search box.

Donor Registration No.:

Advanced search   Search

Latest changes

- Aliquam nec lorem odio.
- Ut mauris urna, volutpat a dapibus ac, volutpat ut mi
- Quisque tempor pellentesque augue
- At malesuada dolor dignissim porta
- Ligula eget hendrerit dictum
- Nascetur ridiculus mus

About Donordata.eu

- Most recent donor information 24 hours a day, 7 days a week.
- All necessary information on offered organs.
- Combined recipient and donor data in one application.
- Information on the anatomy and most recent lab values.
- Accessible on a mobile phone or PDA.

Donordata.eu – © Eurotransplant – www.eurotransplant.org

Enter the 6 numbers of the donor number and click "Search". The requested donor information is shown.

On this website, several reports are available, such as the donor report and all organ reports. Every report is placed in a separate tab; the tab Donor contains the Donor report. The tab Kidney contains the Kidney organ report. The Tab Liver/ pancreas contains the liver/ pancreas organ report, just like the tab Thorax contains the organ report of heart and lungs. Next to these reports are tabs with additional information.

All reports can be downloaded as PDF file or in HTML format or openend in PFD format.

Download report (full) in XML format
Download report (page) as PDF
Open report (page) as PDF

The tab Media Files offers the possibility to watch media files (e.g. x-thorax, ECG). This is an option that is still under construction. At this moment only JPEG files can be uploaded.

The tab Recipients contains the recipient(s) for who the offer was made. The tab has the following lay-out:

General data

CENTER:	DATE:	DONOR Nr:	Cadaver type:	PHONE #:	CONTACT:
NNYTP	06.03.2012 10:48	143513	Heartbeating	564503430	W. Hordijk

Recipients

Browse result pages: 1

Rank	ET number	Recipient name	Sex	Center	Organ	Age	Waiting since	Primary disease	Status	Txp details
1	220198	DIOCIE BLIMXE	F	NGRTP	Liv	Recipient report	Waiting list overview	Immunological overview	ON	
2	276974	SIQUMPEMT	M	NGRTP	Liv	Recipient report	Waiting list overview	Immunological overview	ON	
3	297484	G ULFALV	F	NGRTP	WLiv	Recipient report	Waiting list overview	Immunological overview	A	
1	401321	HODEH	M	AWGTP	Lu	Recipient report	Waiting list overview	Immunological overview	ON	
2	385576	PLUIBTULT	M	NGRTP	Lu	Recipient report	Waiting list overview	Immunological overview	ON	
3	226251	LUMUHAFUPELB	F	NUTTP	Lu	Recipient report	Waiting list overview	Immunological overview	ON	
4	250743	HAMPEKUR	M	NRDTP	BLu	Recipient report	Waiting list overview	Immunological overview	A	

Legenda

Status:
Of = Offered, ON = Offered–not accepted, OS = Acceptance withdrawn, A = Accepted, C = Confirmed, T = Transplanted, F = Filtered out on donor profile

Age:
At time of transplant if registered, otherwise current age

A header with the basic data of the donor, incl. donor number and center is shown. Under the header the information of the recipient is shown. What information is shown depends on the donor center and your center. If a recipient from your own center received an offer, or accepted an organ, all information of this reipients (and spare recipients if present) is shown. If your center is part of a cluster, recipients in cooperation centers are also shown in this tab if they received an offer. The donor center will not see all the information, just rank, organ and status.

Next to ET number, name and registration center is the rank on the match list and the offered organ. For more detailed information of the recipient, like age, waiting time and primary disease, 3 reports are available via this tab: Recipient report, Waiting list overview and Immunological overview. These reports give all information registered in ENIS (for detailed description of the reports, see Chapter 9, Overview of available Reports and extracts). "Status" shows the status of the recipient, if the organ is offered, accepted or confirmed/ transplanted. "TXP details" gives details concerning the transplantation, if the recipient was transplanted.

The information of donor and recipient is available via one website. Even if you're not in the hospital, but you have access to Internet, all information needed is available.

The tab **NHBD** contains detailed information about a NHB donor procedure.

👤 General data

CENTER:	DATE:	DONOR Nr:	Cadaver type:	PHONE #:	CONTACT:
NNYTP	06.03.2012 10:48	143513	Heartbeating	564503430	W. Hordijk

ABO	Rh	NHBD category	Reason for Non-heartbeating
O	Pos		Geen hersendooddiagnostiek mogelijk – door instabiliteit donor

Course

Switch Off at	03.06.2012 10:30	Diuresis total (ml)	164
Circulation stopped at	06.03.2012 11:02		

Explantation/preservation data

DBTL catheter inserted / laparotomy executed at	03.06.2012 10:35	Carried out by	
Kootstra signs: left	Positive	Catheter insertion checked with röntgen	No
right	Positive	Perfusion technique	Double balloon triple lumen catheter

Clinical data

Date	Sys. bloodpressure mm HG	Dia. bloodpressure mm HG	Heart freq. /min	Saturation %	Diuresis ml	Breath freq. /min	Comments
06.03.2012 10:30	125	80	80	85	100	79	
06.03.2012 10:35	100	80	70	70	54	58	
06.03.2012 10:45	50	23	40	26	10	30	
06.03.2012 10:55	25	9	15	23	0	5	
06.03.2012 11:02	0	0	0	0	0	0	Cardiac arrest

The report shows a header with the basic data of the donor, incl. donor number and center. Under the header the information concerning the NHB procedure incl. the reason for NHB donation, details of the explantation and an overview of the clinical data is displayed. Information can be printed via File – Print or the printer icon in the screen.

Note: the information on this tab can be written in the language of the Donor center. Some fields in the application used to report donors are in English and some in the language used in the Donor country.

5.1.1   Advanced search donor

In Donor reports is an option to search on Registration date. If you select the "Advanced search" option, the following screen opens:

Advanced search

Registration date:

| From | | (dd.mm.yyyy) |
| Until | | (dd.mm.yyyy) |

Donor Type   All

Search

Enter both dates (format dd.mm.yyyy) and select the type of donors you are searching for (All/ Living/ Cadaveric). After you entered the search criteria, click "Search". The donors you're center is authorized to see in this period are displayed.

Advanced search

Registration date:

| From | 01.02.2012 | (dd.mm.yyyy) |
| Until | 01.02.2012 | (dd.mm.yyyy) |

Donor Type   All

Search

17 results

Browse result pages: 1

Donor No.	CtrCode	Reg Date	Date of Birth	Sex	Weight (kg)	Height (cm)	Type	Actions
143159	GBYOR	01.02.2012	21.04.1942	F	78	165	Cadaveric	View | Download
143158	BLATP	01.02.2012	25.11.1976	M	64	165	Living	View | Download
143157	BBRTP	01.02.2012	05.09.1973	M	85	175	Cadaveric	View | Download
143156	NAWTP	01.02.2012	09.12.1940	F	69	167	Living	View | Download
143155	BLMTP	01.02.2012	14.04.2010	F	10	82	Cadaveric	View | Download
143154	GHOTP	01.02.2012	12.11.1946	F	61.8	168	Living	View | Download
143153	GBMTP	01.02.2012	27.01.1952	F	80	167	Living	View | Download
143152	GFRTP	01.02.2012	02.11.1953	M	70	192	Living	View | Download
143151	NLBTP	01.02.2012	23.09.1962	F	70	168	Living	View | Download
143149	GHGTP	01.02.2012	06.05.1958	F	73	169	Living	View | Download
143150	GHATP	01.02.2012	07.02.1959	M	70	176	Living	View | Download
143148	NRDTP	01.02.2012	01.07.1946	F	70	165	Living	View | Download

Via the option "View" you can see the donor information. Via the option "Download" you can download the information.

5.2   Requesting donor information via ENIS

If you want to retrieve the donor information of a donor via ENIS, go to the Eurotransplant member site and log in in our ENIS system. In ENIS, there are two possibilities to request donor information: request information from a current offer (Donors offered) or request

information of a donor from which an organ was transplanted in your center (Donors used).

5.2.1   Donors offered

If you wish to see the donor information of a donor at the moment of an offer, go to Recipient – Donor Information – Donors offered. The following screen opens:

In this screen you will see the recipient and donor number referring to the current offer. All offers open to your center are shown. Select the correct line by clicking on it. Now you can open and print the available reports, using the buttons at the bottom of your screen. The buttons "Donor report" and "Organ report" redirect you to Donor reports (Donor Data site). The button "HLA report" opens the "HLA overview". Information can be printed via File – Print or the printer icon in the screen.

5.2.1   Donors used

Recipient centers can see a donor report, organ report or HLA report if at least one organ of the donor concerned has been allocated to one of their own recipients.
Go to Recipient – Donor Information – Donors used.

The screen opens in search mode. Enter the recipient ET number in the field "ET Nr", press F8 and you will see all the transplantations of this recipient. By selecting the desired transplantation you can open and print the available reports, using the buttons at the bottom of your screen. The buttons "Donor report" and "Organ report" redirect you to Donor reports (Donor data site). The button "HLA report" opens the "HLA overview". Information can be printed via File – Print or the printer icon in the screen.

6   Transplant registration and update

6.1   Registration of a new transplant

6.1.1   Registration of a new transplantation

As soon as a center knows a recipient is transplanted, the registration of this transplant must be done in the ENIS system. The centers are responsible for swift registration.
Before registering a transplant you need the following information:

1. Date and time of transplantation
2. Recipient ET number
3. Donor ET number
4. Transplanted organ(s): in particular in case of a kidney, split liver and/or single lung transplantation: left or right.

If you want to register the transplantation, go to TXP – New. The following screen appears:

Enter the date of transplant in the field "Date of transplant" and the time in the field "Time of transplant". Enter the center codes of the transplant registration center, the center where the transplantation was performed and the center where the follow-up will be done. All center codes must be entered like: "xxxTP".
Now enter the recipient number of the recipient. The next prompt appears:
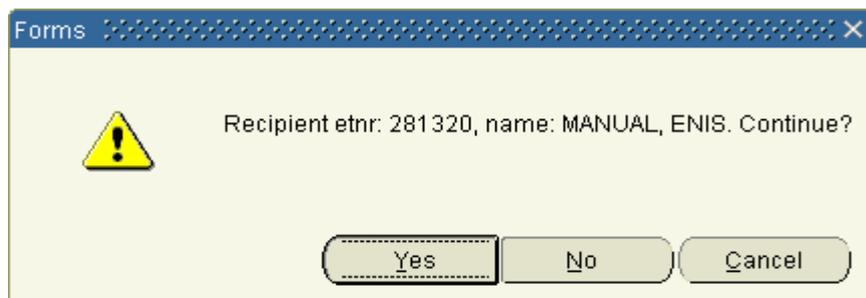
If this is the correct recipient, select "Yes". If it is the wrong recipient, then select "No" and re-enter the correct ET-number and continue entering the rest of the data. If you select "Cancel" you can also re-enter the correct ET-number.

Enter the donor number and select the transplanted organs, by marking the check box (es) for the appropriate organ(s). For each individual organ a unique transplant number will be assigned.

When a kidney is accepted of an ESDP donor, the field ESDP patient consent must be entered at time of transplant registration. Select N(o) or Y(es).

When all the data is correct, save the information via F10 or Action – Save.

The following prompt will appear:

If "Yes" is selected, the ET transplant number will automatically be generated and displayed in the field "Transplant number". The urgency at time of transplant and the date of start waiting time is displayed.

Now save the information via f10 or the "Save" button.

If "No" is selected, the following prompt will appear:
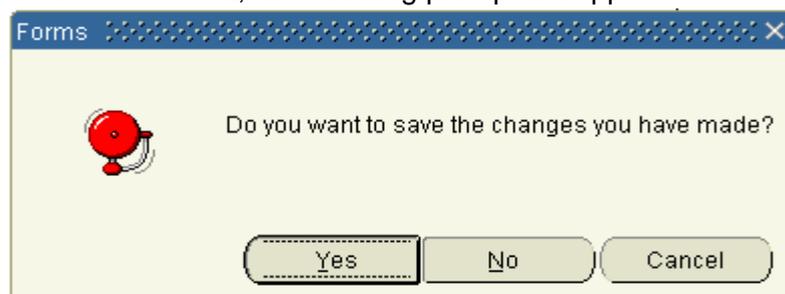
If "Yes" is selected, the information is saved. The ET transplant number will automatically be

generated and displayed in the appropriate field. If "No" is selected, the information will be deleted without saving the transplant. The screen closes. If "Cancel" is selected, the screen remains open and you can re-enter/ correct the data and continue with the registration of the transplantation.

Note: for a combined transplantation, all transplanted organs must be selected at once. For example:
- For a double lung transplant, the organs Llu – Rlu have to be selected.
- For a heart/lung transplant, the organs He – Llu – Rlu have to be selected.
- For an en-bloc kidney transplant, the organs Lki – Rki have to be selected.

Problems at time of transplant registration.
At time of registration, ENIS checks if the entered information corresponds with the information Eurotransplant has on the donor part. If this does not match, a message appears. Below are the most common prompts:

If this message appears:

the incorrect recipient ET-number is entered (e.g. an ET-number not registered at your center or from a recipient that didn't receive an offer). Click "Ok" and enter the correct ET-number.

If this message appears:
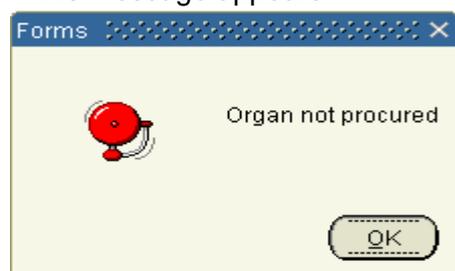
the organ you selected does not have the "Procured" status in ENIS. Check if you entered the correct donor number. If the number is correct, please contact Eurotransplant to check the information in the ENIS system. It is possible the donor coordinator did not add the procured status in their system. Eurotransplant will contact the coordinator or you can contact the coordinator with this request.

If this message appears:
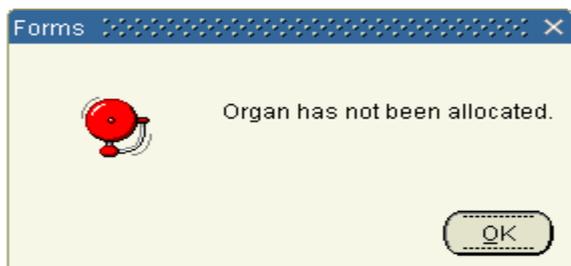
the organ you selected is not correct, or you entered the incorrect donor number. Click "Ok". Please check if you selected the organ transplanted in your center for your recipient or entered the correct donor number. If you entered the correct information, please contact Eurotransplant to check the information in the ENIS system.

If this message appears:
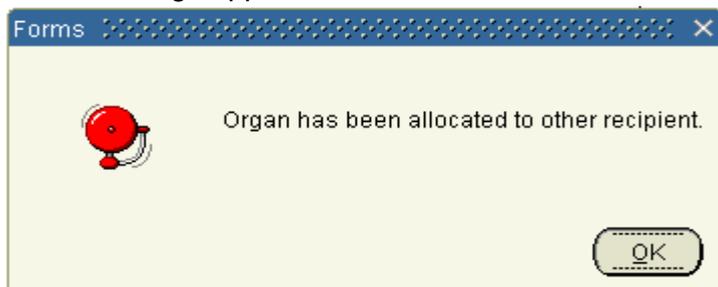
the donor number or ET number of the recipient might not be correct. Click "Ok". Please check if you entered the correct number. If you entered the correct data, please contact Eurotransplant. It is possible that not all information is in the ENIS system yet.

If this message appears:
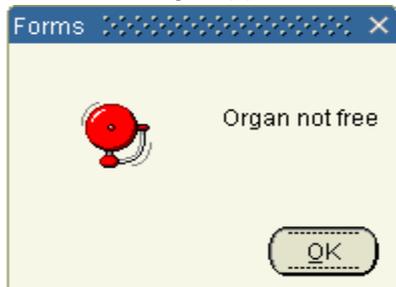
the organ you selected has already a "Transplanted" status. Click "Ok". Please check if you selected the organ transplanted in your center for your recipient. If you selected the right organ, please contact Eurotransplant if you are certain that none of your colleague has registered the transplantation.

If this message appears:
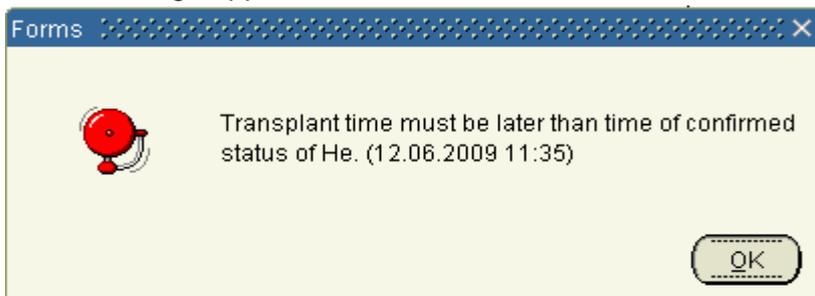
a date/time is not entered correctly. Click "Ok". Please check if you entered the correct date

and time of the transplantation. If this is correct, please contact Eurotransplant to change the date and/or time for the status 'Confirmed' or the status "Procured"(if this is shown in the message) in the ENIS system.

If this message appears:
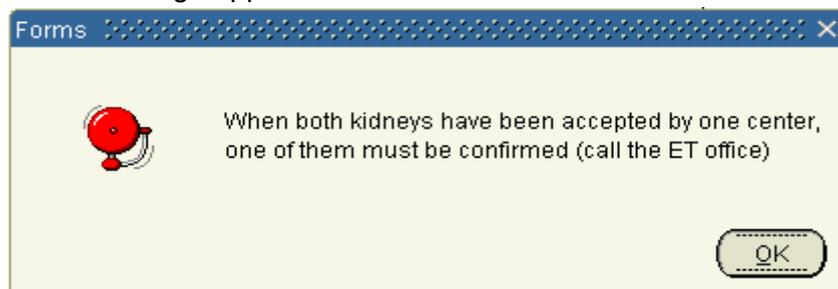
two kidneys of the same donor were accepted for recipients in your center. Click "Ok". To ensure that all date is correct entered in the Eurotransplant ENIS system, please contact Eurotransplant and confirm which recipient received which kidney. Eurotransplant will add the "Confirmed" status for one of the transplantations, so you can register the transplantations.

6.1.2   Registration of a transplant after rescue allocation

If your center accepted an organ offered via a rescue allocation, a motivation must be registered why that particular recipient received the organ. This motivation must be registered in ENIS at time of the transplant registration. Go to TXP-New and enter all date (for description, see 6.1.1 Registration of a new transplant).
In case of an accepted organ via rescue allocation, two extra fields become available in the screen. These fields are mandatory to enter.

Enter the reason why this recipient received the organ in the field "Motivation for selection of recipient" and enter the physicians name in the field "Physician responsible for selection and motivation". After you entered these fields, you can register the transplantation.

6.1.3 Registration of a transplant after living donation

After you registered the living donor (incl. the donated organ and the anatomy) you can register the transplantation.
The registration of transplantation for a kidney does not differ from a regular transplantation. (For description, see 6.1.1 Registration of a new transplant).

In case of a living LIVER transplantation always register a WHOLE Liver! Then go to TXP-Organ information and click the checkbox for "Partial transplant".

Save the information via F10 or the "Save" button.
Note: it is possible to register the transplantation even if the donor was reported in the ENIS system after the transplantation was performed. Enter the correct date and time of the nephrectomy or the hepatectomy in the organ screen. For description, see 4.4 Organ anatomy registration.

6.1.4   Immuno Suppression

In this screen the medication of the recipient must be entered. Go to TXP – Immuno Suppression. The following screen appears:

In this screen, the ET number and transplanted organ of the selected recipient is shown, next to the registration center and transplant date. The cursor is at the first record. Now you can enter the "Initial" and the "Maintenance"   ieres suppression via the List of Values [F9]. This list of values contains the following   ieres suppression:

Name of medication	Code
ALG	45
ATG	46
OKT3 M0Ab	81
IL2 receptor M0Ab	82
ALG or ATG	49
Anti_Pan 'T' M0Ab	51
M0Ab to lymphocytes	59
OKT4 M0Ab	83
M0Ab to epitopes	89
IL-3 receptor antagonist	93
Plasmapheresis	92
Cyclosporin A	31
Tacrolimus (FK-506)	32
Azathioprine	21
Cyclophosphamide	22
MMF-Cellcept	24
Methotrexate	25
MMF-Myfortic	70
Mizoribine	26
Everolimus	27
Sirolimus	33
Corticosteroids	10
Other Antimetabolites	23
Other Cyclosporins	39
Rituximab	71
Other	99
None	0

When you have entered all medication, save the information via F10 or the "Save" button.

6.1.5   Transplant organ information

The transplant organ information screen offers the possibility to enter specific information about the transplantation (e.g. ischemic times, follow-up details). There is a separate screen per organ. Select the recipient or transplantation and go to TXP – Organ Information.

Kidney

This is the screen for the kidneys.

In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date. The screen is divided in two parts: "Specific transplant information" and "Follow-up details".
In the first part "Specific transplant information", information concerning the   ieresis, and the duration of the ischemic periods can be entered. The site of implantation can be entered, using a LOV (selection via F9). You can also select the "AM" protocol box if the recipient was transplanted via the AM protocol. The other boxes are not available anymore.
In the second part "Follow-up details" you can enter the creatinine levels. Start by entering the date (dd.mm.yyyy), then enter the numeric value. Select the Unit via the LOV (selection via F9). Save all information via F10 or the "Save" button.

Pancreas

This is the screen for the pancreas.

In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date. The screen is divided in two parts: "Specific transplant information" and "Follow-up details".

Enter the performance direct after transplantation (selection via F9) in the first part "Specific transplant information". After that, information concerning the drainage and the duration of the ischemic periods can be entered.

In the second part "Follow-up details" you can enter the glucose and the insulin levels. Start by entering the date (dd.mm.yyyy) and then enter the numeric value for glucose. Select the Unit via the LOV (selection via F9). Enter the numeric value for insulin and select the correct unit via F9. Save all information via F10 or the "Save" button.

Lung

This is the screen for the lungs.

In this screen, the ET number and transplanted organ of the selected recipient is shown in the header, as well as the registration center and transplant date.

The screen is divided in two parts: "Specific transplant information" and "Follow-up details".

In the first part "Specific transplant information", enter the site of transplant (selection via F9) and the duration of the ischemic periods.

In the second part "Follow-up details", you can enter the quality per date. Start by entering a date (dd.mm.yyyy), and then enter the quality (selection via F9). Save all information via F10 or the "Save" button.

Liver

This is the screen for the liver.

In this screen, the ET number and transplanted organ of the selected recipient is shown in

the header, as well as the registration center and transplant date. The screen is divided in two parts: "Specific transplant information" and "Follow-up details".

In the first part "Specific transplant information", enter the performance direct after transplantation and the transplant technique (selection via F9). Enter the duration of the ischemic periods.

If the liver your recipient received was reduced, please check "Partial transplant".

In the second part "Follow-up details", you can enter the quality per date. Start by entering a date (dd.mm.yyyy), then enter the quality (selection via F9).

Save all information via F10 or the "Save" button.

Heart

This is the screen for the heart.

The screen for the heart differs from the other organs. Enter the performance direct after transplantation and the transplant technique (selection via the arrow). Enter the ischemic periods. Save the information via F10 or the disk button.

Now you can click the Follow Up button to enter more heart post-transplant follow up in the separate database. (See for instructions the Web Follow Up Manual).

6.1.6   HLA

The option HLA in the TXP menu navigates to the HLA registration screen of the recipient (for description, see 3.1.2 Entering HLA typing)

6.2   Updating transplant records

6.2.1   Update transplant information

The transplant registration screen can be updated with the date last seen, or data concerning failure of the organ. This must be done before the recipient can be placed back on the waiting list.

If you want to update the data, select the transplantation and go to TXP – Update.

You can enter if the organ was transported by plane. Select the checkbox "Organ transported by plane" if this was done.

For the rest of the update, please move to the lower part of the screen. The following updates can be entered:

Failure of the transplanted organ

Both the 'Date of failure' and 'Cause of failure' should be entered. Select the "Cause of failure" from a list (F9). When the organ is explanted also fill in the 'Date of explantation on failure'. Save the information via F10 or the button "Save".

Death of a Recipient

If a recipient has died, the 'Date of death' and 'Cause of death' must be registered in the screen Recipient – Deceased. For description, see3.4.3 Register deceased

Please complete the fields concerning graft failure (if applicable) and the 'Date last seen' field. The 'Date last seen' should be equal to the 'Date of death'. Save the information via F10 or the button "Save".

Pancreas transplant technique (Pancreas only)

Here can be registered what the transplant technique for the pancreas was. Enter the data via the list of values (F9 for selection). Save the information via F10 or the button "Save".

Recipient Out of analysis

If a recipient is lost to follow-up, the 'Date last seen' should be entered and the checkbox 'Out of analysis' should be marked. Save the information via F10 or the button "Save".

Update the date last seen.

Every time the recipient was seen at your clinic or upon 'annual inquiry', you can update the

'Date last seen' field. Save the information via F10 or the button "Save".

Note: in case of a combined transplantation, in the 'Transplant Update' screen a 'Combined Txp' button will be visible. When you click on the button a small window is popped up with transplant numbers and the corresponding organ details of the combined organ transplantation.
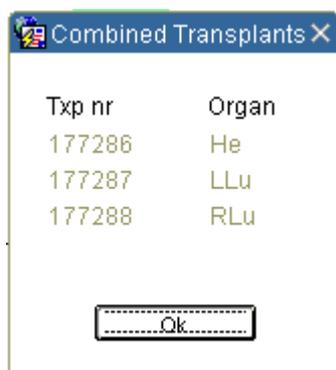
6.2.2 Automatic updates after transplantation registration

After the registration of the transplantation, the recipient is removed from the waiting list for this organ. The "Urgency code" is changed to "FU" (Follow-up /Transplanted).
The "Organ Screen" is updated with the "Date removed from waiting list". The "Reason for removal" is "Transplanted".
The transplant data is shown in the screen "Status and Events".
The number of transplants of this type carried out on this recipient is totaled and visible in the Recipient Organ screen in the "Cumulative transplants" field.

7   Center information registration and update

7.1   Entering and updating the center registration screen

Address data and contact data must be entered in the Center registration screen.
Select Center – Center. A search screen appears.

Enter the code of your own transplant program. You can enter the code of your center of lab (TP of TT) or of a specific organ department (KI, LI, HE, LU, PA). You can also search on Name or city. After you entered the search criteria, click 'Select (F9)'. It is not possible to enter other codes then your own.

The following screen will appear:

In this screen you can enter or update the information of your own transplant program e.g. address, phone- and fax number and contact person. It is possible to do this per organ type (transplant program) by selecting the correct organ. Place the cursor in the field "Type" and select the organ via F9.

The field "Member of Region" is for Dutch centers only. After you entered or changed the data, select F10 or select "Save". The information is saved into the ENIS database.
The buttons "More" and "Person" are for Eurotransplant use only.

7.2   Registration and update Donor Center Profiles

In the center profile screen the donor requirements for all organ matches can be entered and changed at any time. All Profiles will be available as tab pages per organ.
Note: When the requirement is specified in the recipient specific profile, the corresponding center profile requirement will be ignored. When the recipient requirement is empty, the center profile requirement is used. We advise to enter a recipient specific profile, to make sure the offer you get will fits the requirement for that recipient.

To enter or update the center profile, select Center – Donor Profiles – Other organs (in the menu you can see "Thoracic". This leads to an old screen which is not in use anymore). A search screen opens:

Type your own center code (XXXTP) and press F8. Now the screen becomes accessible and can be entered or updated. The screen contains tabs for the separate organs. Only the profile for the thoracic organs is a combined profile. Below, all tabs will be described per organ.

7.1.1   Kidney

The tab "Kidney" contains the Kidney Center Profile.

If you enter the screen for the first time, all fields are empty. For all the items (except age) there is a small list of values available (click the arrow next to the field). The mandatory fields are red.

The following requirements can be entered:

Min age / Max age   Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.

Accept en bloc (=< 5yr)   En bloc offers for donors of age 5 and younger accepted Yes/No. No automatic filtering is done on this item. It appears on the match reports that are used by the allocation coordinators.

Accept NHB   Non-heartbeating donors accepted Yes/No.

Accept ESP Donor   ESP donors accepted Yes/No.

HbsAg / HbcAb / HCVAb   There are two possible entries: 'Any' and 'Neg', selectable by a list of values (arrow at end of field). 'Any' means HbsAg or HbcAb or HCVAb positive and negative donors are accepted. When entering 'Neg', only HbsAg or HbcAb or HCVAb negative donors will be accepted.

Sepsis   Donors with sepsis accepted Yes/No.

Meningitis   Donors with meningitis accepted Yes/No.

Malignant Tumor   Donors with a malignant tumor accepted Yes/No.

Drug Abuse   Donors with drug abuse accepted Yes/No.

Domino Donor   Domino donors accepted Yes/No.

Rescue Allocation   Rescue allocation accepted Yes/No.

In the lower part of the screen, enter the broad HLA mismatches that are accepted. The "Accepted broad HLA mismatch criteria" selection area contains five lines. The first three lines contain the mismatch criteria, shown in a vertical line (A, B, Dr). They must be read from top to bottom. The fourth line is the selection (accept) line, where the criteria can be individually selected. Criteria can be individually selected and deselected, there are no limitations. Only 000 cannot be deselected. The fifth line is for your information. It shows the total number of mismatches in the corresponding criteria

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.2   Pancreas

The tab "Pancreas" contains the Pancreas Center Profile.

For all the items (except age) there is a small list of values available (click the arrow next to the field).

Whether a requirement is applicable to a certain recipient depends on this recipient's specific profile. When the requirement is specified in the recipient specific profile, the corresponding center profile requirement will be ignored. When the recipient requirement is empty, the center profile requirement is used.

The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
HbsAg / HbcAb / HCVAb	There are two possible entries: 'Any' and 'Neg'. 'Any' means HbsAg or HbcAb or HCVAb positive and negative donors are accepted. When entering 'Neg', only HbsAg or HbcAb or HCVAb negative donors will be accepted.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignant Tumor	Donors with a malignant tumor accepted Yes/No.
Drug Abuse	Donors with drug abuse accepted Yes/No.
Domino Donor	Domino donors accepted Yes/No.
Rescue Allocation	Rescue allocation accepted Yes/No.

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.3   Liver

The tab "Liver" contains the Liver Center Profile.

Kidney	Pancreas	Liver	Thoracic

Min Age   0
Max Age   100

HBsAg   Neg
HBcAb   Any
HCVAb   Neg

NHB

Domino Donor   Yes
Explanted Liver   Yes

Sepsis   Yes
Meningitis   Yes
Malignant Tumor   Yes
Drug Abuse   Yes

Rescue Allocation   Yes
Marginal Donor(~)   Yes

~If one or more of the following is met:
-IC with mechanical ventilation > 7 days
-BMI > 30
-Steatotic liver > 40% (Biopsy proven)
-Serum Sodium > 165 mmol/l
-SGPT(ALAT) > 105 U/l
-SGOT(ASAT) > 90 U/l
-Serum Bilirubin > 3 mg/dl

For all the items (except age) there is a small list of values available (click the arrow next to the field). The mandatory fields are red.

The following requirements can be entered:

Min age / Max age	Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.
HbsAg / HbcAb / HCVAb	There are two possible entries: 'Any', 'Neg'. 'Any' means HbsAg, HbcAb or HCVAb positive and negative donors are accepted. When entering 'Neg', only HbsAg, HbcAb or HCVAb negative donors will be accepted.
NHB	Non-heartbeating donors accepted Yes/No.
Domino Donor	Domino liver accepted Yes/No
Explanted liver	Explanted liver accepted Yes/No.
Sepsis	Donors with sepsis accepted Yes/No.
Meningitis	Donors with meningitis accepted Yes/No.
Malignant Tumor	Donors with a malignant tumor accepted Yes/No.
Drug Abuse	Donors with drug abuse accepted Yes/No.
Rescue Allocation	Rescue allocation accepted Yes/No.
Marginal donor	Marginal donor accepted Yes/No.

A donor is a marginal donor when one of the following items is met:

√   IC with mechanical ventilation > 7 days
√   BMI > 30
√   Steatotic liver > 40% (Biopsy proven)
√   Serum Sodium > 165 mmol/l
√   SGPT (ALAT) > 105 U/l
√   SGOT (ASAT) > 90 U/l
√   Serum Bilirubin > 3 mg/dl

All these criteria are shown in the screen, as a reminder.

Once you entered or updated the information, save the information via F10 or the disc button.

7.1.4   Thoracic

The tab page "Thoracic contains the Center Profile for the thoracic organs.

Kidney	Pancreas	Liver	**Thoracic**

Min Age	0	HbsAg	Neg	Sepsis	Yes
Max Age	99	HBcAb	Neg	Meningitis	Yes
		HCVAb	Neg	Malignancy	Yes
				Drug Abuse	Yes
				Domino Donor	Yes
				Rescue Allocation	Yes

For all the items (except age) there is a small list of values available (click the arrow next to the field). The following requirements can be entered:

Min age / Max age   Minimum and maximum acceptable donor age. Only whole numbers can be entered. For both fields the minimum is 0 and maximum 999.

HbsAg / HCVAb / HbcAb   There are two possible entries: 'Any', 'Neg'. 'Any' means HbsAg, HbcAb or HCVAb positive and negative donors are accepted. When entering 'Neg', only HbsAg, HbcAb or HCVAb negative donors will be accepted.

Sepsis   Donors with sepsis accepted Yes/No.

Meningitis   Donors with meningitis accepted Yes/No.

Malignancy   Donors with a malignant tumor accepted Yes/No.

Drug Abuse   Donors with drug abuse accepted Yes/No

Domino Donor   Domino donors accepted Yes/No.

Rescue Allocation   Rescue allocation accepted Yes/No.

Once you entered or updated the information, save the information via F10 or the disc button.

7.3   Transplant Capacity Limitations

If there is no capacity in your center to transplant an organ, you must register this in the ENIS system so you will not receive any offers in that period. The recipients for the organ you entered will be excluded from the match.

Go to Center – Transplant Capacity Limitations. The following screen appears:

Start by selecting your own center, enter your center code (XXXTP) in the field "Transplant center" and select F8.

The first line is automatically filled with the name and Country of your center.
Select the organ by using the LOV (arrow at end of field) and select a Category of recipients. The field organ is filled automatically. Enter the "start date" for the capacity limitation in the field "From" and the finish date for the capacity limitations in the "Until" field (dd.mm.jjjj hh:mm). The applications calculates the duration of the limitation and places the number of

days in the field "Days".

Select the reason why there is no capacity form the LOV (arrow at end of field). A pop-up appears where the reason can be selected.
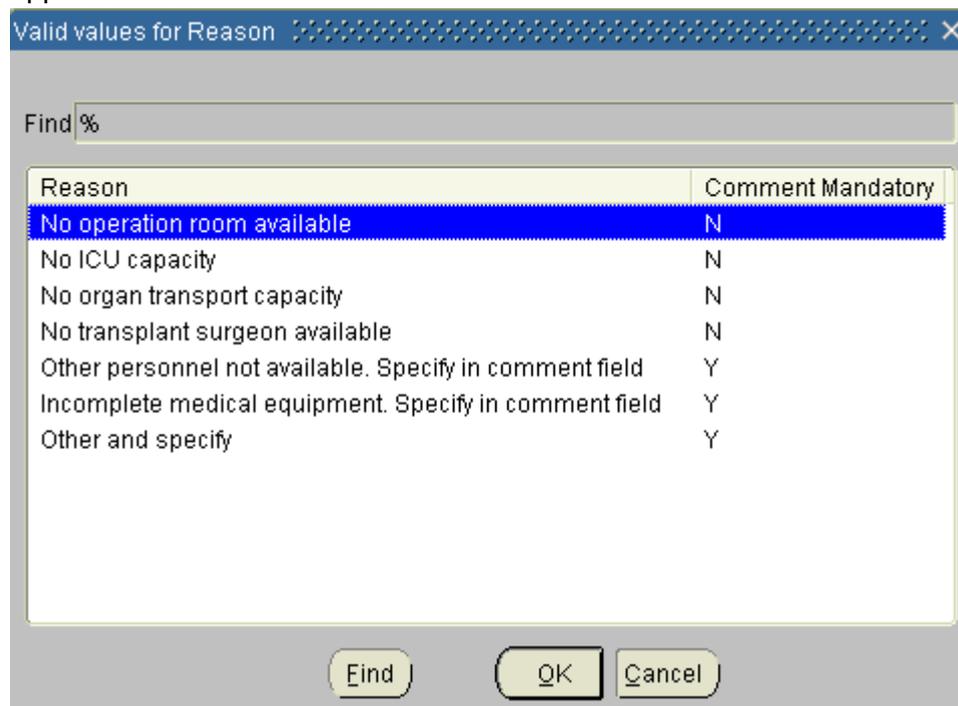
The pop-up contains two columns: Reason and Comment Mandatory.

If "Comment mandatory" is "Yes", a comment must be entered with the specification of the reason. For all other reasons, a comment is optional.

Once you entered or updated the information, save the information via F10 or the disc button.

Note: it is not possible to enter no capacity for HU recipients only. If you don't have capacity to transplant elective and HU recipient, select the elective recipients first. Save the information you entered. After you have saved it, you can select the HU recipient in the field Category.

8   Reports

8.1   General information

It is possible to request and print a number of different reports with recipient and donor information via the ENIS system. Next to the reports several extract can be requested to provide information and offer the possibility to load the information into Excel or a different program, so the information can be adapted for personal use.

All reports and extracts have an identification code and a short description. The identification code starts always with one or two characters, sometimes followed by another letter and at the end a number, sometimes followed by a character. This will be committed in the descriptions below.

The first characters have the following meaning:

B   Exchange Balance
C   Center reports
D   Donor reports
HE   Heart reports
HL   Heart/Lung reports
K   Kidney reports
L   Labels
LI   Liver reports
LU   Lung reports
P   Pancreas reports
Q   ITRF reports
R   Recipient reports
T   Transplant reports

The second characters (after the underscore '_') have the following meaning:

AM   AM recipients
HU   HU recipients
IM   Immunological data
M   Match
P   Donor profiles
T   Transplant data
WL   Waiting list
X   Extract

Sometimes there's a character at the end, indicating the sort-order:

C   Center
C_R   Remote per center
N   National
PB   Page breaks

For example: HE_WL_164C is the Heart (HE) waiting list (WL) report number 164 (164) ordered per center (C).

In chapter 9, all available reports and extracts are described, sorted per type report or extract.

8.2   Request a report

If you want to request a report or extract, start ENIS and select Reports – Submit Job
The screen for starting a report/ extract (submitting jobs) appears:

The upper part of the screen contains all available reports and extracts. You can scroll through this list and select the report that you want to start. Or you can search for a specific report.

Press F7 (Start Search) or the 🐍 button. The available reports now disappear, and the columns "Name" and "Description" turn orange, indicating that you can search in both fields. The fastest way to search is enter the entire identification code, then click F8 or the Execute button. The requested report/ extract appears.

If you don't know the code, you can use the '%' character as a wildcard to search for reports. If you would like to find all Kidney reports and extracts, type "K%":

Now click on F8 or the 🐍 button to find the reports you are looking for. All reports and extracts starting with the letter "K" will appear. You can scroll through the list. Select the wanted reports or extract.

Underneath the list with reports you will find a list with parameters. These are a number of specifications for the requested report or extract. For example, if you request a recipient report, you have to enter the ET recipient number. Depending on the report selected, this list will change. Each report requires different parameters. Next screen is an example for a recipient report:

The parameters must be selected in the fields under "Values". If there is a list of values to choose from for that parameter, the arrow-button behind the Parameter-values field is enabled. If not, you can type in a value.
To start the report or extract, click 'Submit Job'. A message will be shown, incl. the selected report and the job number.
For example, this is the message for the K_P_231 Kidney recipient – Donor profile report:
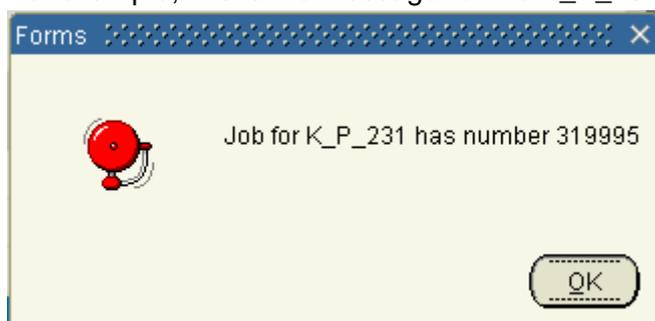
Click "Ok".
This job number can be used to find your report in the next screen, 'Monitor jobs'.

8.3   Status of your reports

After you requested a report or extract, the screen "Monitor Jobs" offers the possibility to see the progress of the report or extract. Via this screen, the report or extract can be printed or saved.
Go to Reports – Monitor Jobs
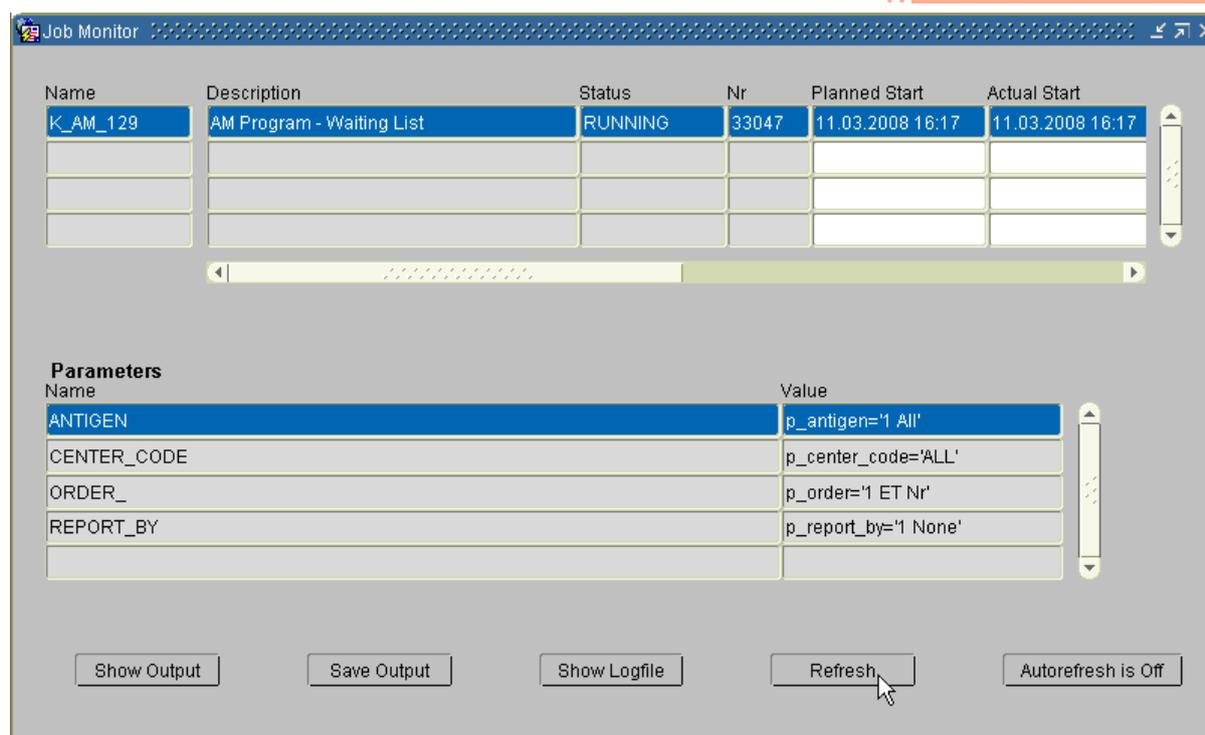
The screen with all requested reports or extracts appears. The screen contains two parts.

The first part gives you a list of jobs you started with the latest one on top. The vertical scrollbar lets you scroll to other reports/ extracts which are not visible.
In the screen, the name and description of the report/ extract is shown, the status of the report/ extract and the Job number and planned and actual start of the report/ extract.
The column "Status" shows the status of your report. These are the different statuses:

Queued   this status indicates that the report or extract in waiting in line to start. It is placed in a queue, what may happen if multiple centers request reports at the same time.

Running   this status shows the report/ extract is still being processed, all information is gathered.

Succeeded   this status shows the reports or extract is ready. You can open and print or save the report or extract.

Error   This status shows the report or extract did not run and encountered an error.
Note: some reports or extracts take a while to finish. It might look as if it is not working, but please be patient. As long as the status is "Running" the information is still gathered. If the report fails to run, the word "Error" will appear in the column "Status". Then you can try again. If the status 'Error' appears again, please contact Eurotransplant

The second part shows the parameters per report you enterer to define this report.
The button 'Show Output' will open the selected report as a PDF file, for you to view and print.
The button 'Save Output' let's you specify a directory to save the report to.
The button 'Show Log file' lets you view the history of the processing of the report. This could be handy if an error occurred during processing of the report. The helpdesk or DBA could ask you for information in this file.

The screen shows the overview at time of opening. Clicking the refresh button (or F8) will refresh the screen. Some reports take longer and you will have to wait and refresh the screen now and then, before the status 'Succeeded' appears. You can manually refresh the Job Status or turn on the 'Automatic refresh is On/Off' on (this will refresh the job's status every 5 seconds).

8.4   Printing or saving your reports

Printing or saving reports is made very easy in ENIS. As soon as the report has the status "Succeeded", click "Show Output". The report appears in PDF format. You can now save the report via the disk or print the report via the printer button.
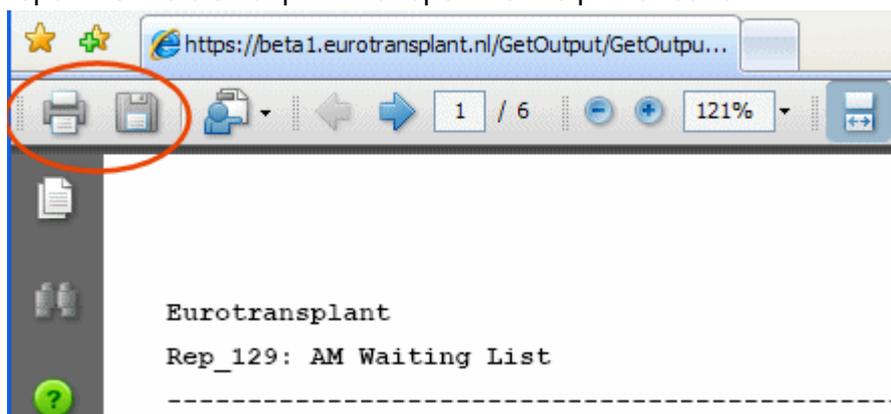
After you selected the disk, a search screen opens so you can select a folder where you can save the report. After you selected the printer button, a screen opens where you can select a local printer.

8.5   Save and process extracts

Just click on "Show Output" for your extract. The data will be shown in your screen.
By clicking on File – Save as… you can save the output as a text –file in a folder of your own choice.   (For example: C:\Documents and Settings\Users….........).
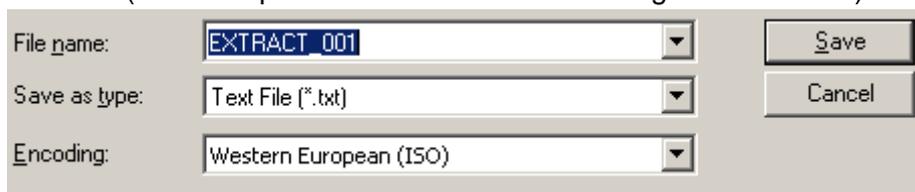
You can process this file with your favorite spreadsheet or database (MsExcell, MsAccess, Quattro etc.). Most of these applications have the possibility to import ASCII-delimited files.

9   Overview of available reports and extracts

In this chapter, all reports and extract available for remote users will be described.
Reports contain information concerning recipient, donor or transplant, to provide overview of registration and changes made.
Extracts are special reports, meant to be processed in a program like Excel, DBF, Access, etc. for readability. After the first character in the name, indicating the organ, you will find the character 'X', indicating that this is an extract. The content covers several recipient, donor and transplant items or parameters. After downloading the file, the output file can be viewed, prepared and analyzed with the tool you prefer.
Per report is described what parameters can be selected. The reports and extracts are described in categories, to provide better overview.

9.1   Waiting lists reports

9.1.1   Report K_WL_099_R   Kidney Waiting List

This report contains all recipient registered on the kidney waiting list in your center.
Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'.
Sort	Enter a number from 1 to 4. The following sorting orders will be applied: 1. ET registration number. 2. Last name. 3. ABO. 4. Urgency.
Page break on dialysis center	Yes/ No. If "Y", recipients are grouped by dialysis center. If "N", all recipients will be reported by sorting order
Cluster list	Yes/ No. If "Y", all recipients of the participating centers will be reported. If "N",only recipients of the own center will be reported
Age range	All/ 64/ 64+/ 65+. If 64, only 64 year old recipients will be selected. If 64+ only 64 year old and older recipients are selected. If 65+ only 65 year old and older recipients are selected
Living only	Yes/ No. If "Y", only recipients awaiting a living transplantation will be selected. If "N", all recipients will be selected
Active only on kidney waiting list	Yes/ No. If "Y", only recipients awaiting a kidney transplantation will be selected. If "N", recipients awaiting a combined PA/Ki transplantation will be selected

The header contains the center code, the dialysis center and an indication whether the option 'Cluster list' is selected.
The body contains the following recipient information:
In the first line:

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient

Column header	Description
Ctr	Center code
Sex	Male or Female
Dob	Date of birth of recipient
Organ	Combination of organ requirements
Urg	Urgency code
Cum. Txp	Previous kidney transplants, this includes transplants combined with other organs
ABO	Blood group of recipient
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
Waiting time: Prev Curr Match	 Previous waiting time Current waiting time Total of previous and current waiting time
Waiting Since	At the bottom of the page the actual waiting time is explained
Part. In	ETKAS/ES(D)P. Indication whether recipient is participating in the ES(D)P program or the ETKAS program (German recipients only)
Full Phenotype	Full match phenotype
Dialysis Ctr	Dialysis center
Unacc. Antigens	HLA unacceptable antigens

In the second line:

Column header	Description
Name	Last name
Mmp Brd	Mismatch probability allocation factor calculated on HLA DR broad level
Mmp Split	Mismatch probability allocation factor calculated on HLA DR split level
R%	Latest antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
H%	Highest antibody percentage

The end of the report shows the total number of recipients on the waiting list of the specified center and the number of active recipients (urgency HU, T, I or HI) that have:

- ✓ an outdated screening.
- ✓ without date of first dialysis or technique.
- ✓ not on dialysis.
- ✓ waiting since date out of waiting room.

9.1.2 Report K_WL_099A Kidney Waiting List - HBsAg, HCVAb

This report contains all recipient registered on the kidney waiting list in your center, incl. the HBsAg and HCVAb status.
Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'

Name Parameter	Description
Sort	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number. 2. Last name.
Report per dialysis center	Yes/ No. If "Y", Recipients are grouped by dialysis center. If "N", all recipients will be reported by ET Nr.
Cluster list	Yes/ No. If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.
Only rcps >= 65 years	All recipients 65 years and older will be selected
Only living	Yes/No. If "Y", only recipients awaiting a living transplantation. If "N", all recipients will be reported.

The header contains the center code and an indication whether the option 'Cluster list' is selected.

The body contains the following recipient information:

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name	Last name of recipient
Sex	Sex of recipient
Dob	Date of birth of recipient
Hgt	Height of recipient
Wgt	Weight of recipient
Organ(s)	Organ requirement and organ combinations
U	Urgency code
Cum. Txp	Previous kidney transplants, this includes transplants combined with other organs
ABO	Blood group of recipient
Full Phenotype	Full match phenotype
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
R%	Latest antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
H%	Highest antibody percentage
Unacc. Antigens	HLA unacceptable antigens
HBsAg	HBsAg status of recipient
HCVAb	HCVAb status of recipient
Waiting since	Date of first dialysis
Dial. City	Dialysis city

The end of the report shows the total number of recipients on the waiting list of the specified center and the number of active recipients (urgency HU, T, I or HI) that have:

- ✓ an outdated screening.
- ✓ without date of first dialysis or technique.
- ✓ not on dialysis.
- ✓ waiting since date out of waiting room.

9.1.3   Report K_WL_099B Kidney Waiting List – Address

This report contains all recipient registered on the kidney waiting list in your center, incl. the address data.

Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on TP.
Sort	Enter a number from 1 to 2. The following sorting orders will be applied: 1. Last name 2. Dialysis center and Last name
Page break on dialysis center	Yes/ No. If "Y", recipients are grouped by dialysis center. If "N", all recipients will be reported by sorting order
Cluster list	Yes/ No. If "Y", all recipients of the participating centers will be reported. If"N", only recipients of the own center will be reported.
Only rcps >= 65 years	All recipients 65 years and older will be selected.
Only living	Yes/ No. If "Y", only recipients awaiting a living transplantation will be selected. If "N", all recipients will be selected.

The header contains the center code, the dialysis center and an indication whether the option 'Clusterlist' is selected.

The body contains the following recipient information:

In the first line:

Column header	Description
ET Nr	ET registration number of recipient
Ctr	Center code
Last Name	Last name of recipient
First name	First name of recipient
Dob	Date of birth of recipient
Urg	Urgency code of recipient
ABO	Blood group of recipient
Reduced match phenotype	Reduced match phenotype (A and B broad, DR split)
PRA%	Latest antibody percentage
Scrn. Date	Date of last antibody screening. The date will be followed by an * when the screening is outdated
CMV IgG	CMV IgG status
Dialysis Ctr	Dialysis city
Waiting since	Date of first dialysis

In the second line:

Column header	Description
Address	Address of recipient
Post Code	Postal code of recipient
City	City of recipient
Country	Country of recipient
Home Telephone	Home tel.nr of recipient
Other Telephone	Other tel.nr of recipient

The end of the report shows the total number of recipients on the waiting list of the specified

center and the number of active recipients (urgency HU, T, I or HI) that have:
- ✓ an outdated screening
- ✓ without date of first dialysis or technique
- ✓ not on dialysis
- ✓ waiting since date out of waiting room.

9.1.4   Report HE_WL_164C_R Heart Waiting List - Center

This report contains all recipients registered on the heart waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	LOV: L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", ll recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.

The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name	Last name of recipient
Dob	Date of birth of recipient
Sex	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on U	Days on status U (urgent)
Days on T	Days on status T (transplantable)

| Days on NT | Days on status NT (not transplantable) |
| Match Comment | Match comment |

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.1.5 Report HE_WL_164N Heart Waiting List – National

This report contains all recipients registered on the heart waiting list in your country, a national heart waiting list, using the same layout as for HE_WL_164C. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO
Children only*	Yes/No.If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations

ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on U	Days on status U (urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

* display only for recipients of your own center

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.6   Report LU_WL_165C_L_R Lung Waiting List - Center

This report contains all recipients registered on the lung waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO 4.LAS score
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No.If "Y", only high urgency recipients will be reported.If "N", all recipients will be reported.
Cluster list	Yes/No.If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.

The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.

The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height
TLC	Total lung capacity
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor
Urg	Urgency code
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Current LAS *	LAS score currently used in match
Valid until **	Date the validity of current match LAS ends
Match Comment	Match comment

*If the recipient has no valid LAS score, the field remains empty.
**For children >12, the date of their 12th birthday is shown.

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

9.1.7   Report LU_WL_165N_L Lung Waiting List - National

This report contains all recipients registered on the lung waiting list in your country, a national lung waiting list, using the same layout as for LU_WL_165C including the Tot NT = Total days waiting time on not transplantable urgency. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Short or long list	LOV L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version

Name Parameter	Description
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Last name. 2. ET registration number 3. ABO 4. LAS score
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No.If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.
The header contains the country and an indication whether the options 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
TLC	TLC of recipient
Organ req.	Organ requirement and organ combinations
ABO	Blood group and Rhesus factor of recipient
Urg	Urgency code of recipient
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Current LAS *	LAS score currently used in match
Valid until **	Date the validity of current match LAS ends
Match Comment	Match comment

* displayed only for recipients of your own center
**If the recipient has no valid LAS score, the field remains empty.
***For children >12, the date of their 12th birthday is shown.

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage

Column header	Description
Cum. Specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.8 Report HL_WL_165C_R Heart/Lung Waiting List Center

This report contains all recipients registered on the heart/lung waiting list in your center. Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Short or long list	L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.

* The fourth and fifth parameter can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height
TLC	Total lung capacity
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor
Urg He	Urgency code of recipient for heart
Urg Lu	Urgency code of recipient for lung
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list

Column header	Description
Ctr	Center code
Days on HU	Days on status HU (high urgent)
Days on U	Days on status U (urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. Specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

9.1.9 Report HL_WL_165N Heart/Lung Waiting List – National

This report contains all recipients registered on the heart/lung waiting list in your country, a national heart/lung waiting list, using the same layout as for HL_WL_165C including the Tot NT = Total days waiting time on not transplantable urgency. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Short or long list	L/S. Enter L or S to get a long or short report. The description of the report body will show which items are included in each version
Sort on	Enter a number from 1 to 3. The following sorting orders will be applied: 1. Name. 2. ET registration number 3. ABO
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.

* The last two parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options 'Cluster list', 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short, and a two line format for the long report.

In the first line (printed in long and short reports)

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient

Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
TLC	TLC of recipient
Organ req.	Organ requirement and organ combinations
Lung req.	Lung requirement (Left/Right/Both)
ABO	Blood group and Rhesus factor of recipient
Urg He	Urgency code of recipient for heart
Urg Lu	Urgency code of recipient for lung
Foreign Approval	Foreign Approval Yes/ No
Date on WL	Date put on waiting list
Days on HU	Days on status HU (high urgent)
Days on U	Days on status U (urgent)
Days on T	Days on status T (transplantable)
Days on NT	Days on status NT (not transplantable)
Match Comment	Match comment

* display only for recipients of your own center

Second line (only printed in the long report)

Column header	Description
Scr. Date	Date of last antibody screening.
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Cum. Specificities	Cumulative antibody specificities
Full match phenotype	Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.10 Report LI_WL_167C_R_ Liver Waiting List – Center

This report contains all recipients registered on the liver waiting list in your center.

Note: Since implementation of MELD in the liver allocation on December 16, 2006 the liver waiting list reports have changed their appearance. The result is that they cannot be used or interpreted, respectively, as in the years before to determine the approximate time until transplantation.
The changes imply, among others:
a) Sorting
  - Recipients are sorted on these reports according to their urgency:
    o HU   sorted by time in spent in HU, longest waiting first
    o ACO   sorted by time in spent in ACO, longest waiting first
    o T   sorted by MELD in descending order, same MELD scores sorted by ET numbers in ascending order
    o NT   sorted by MELD in descending order, same MELD scores sorted by ET numbers in ascending order
b) Waiting time
  - Date of registration (=total waiting time) and next date of recertification or

reconfirmation, respectively is given.

The question, "where is my recipient now and when will he be transplanted?", can no longer be answered through these reports. The reports are only a snapshot of the waiting list at the moment that they are generated.
But due to the MELD-specific dynamics of the waiting list, i.e. insertion of new MELD scores, downgrades, exceptions etc., no prediction can be made with regard to the place of an individual recipient on the waiting list at time of any future matching procedures.
Additionally, a further stratification in groups of recipients with the same MELD score only takes place at time of matching with a current donor. In this stratification, recipients within same MELD scores are stratified by a fraction of waiting time that calculates at time of matching the time spent;
- ✓ in the current MELD.
- ✓ previously in a MELD equal to the current or any higher MELD.
- ✓ previously in HU.

In conclusion, both reports can only serve as a snapshot of the current waiting list. They can only serve as an indicator as to
- ✓ where an individual recipient is at that moment.
- ✓ whether a recipient is in a group of recipients with the same MELD score.
- ✓ how many recipients have a higher or lower MELD score at that moment.

Parameters for this center specific report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. If "Y", all recipients of the participating centers will be reported. If "N", only recipients of the own center will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

* The second and third parameter can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options 'Children only', 'HU only' and 'Cluster list' are selected.

The body contains the following recipient information:

Column header	Description
Ctr	Center code
ET Nr	ET registration number
Name	Last name
Dob	Date of birth
Sex	Sex
Wgt	Weight
Hgt	Height

Column header	Description
Ctr	Center code
Organ req.	Organ requirement and organ combinations
Intest	Recipient is on waiting list for intestine Yes/No
ABO	Blood group
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
Age	Age
Date on WL	Date put on waiting list
Prev. Txp	Number of previous transplants
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score
Ped. MELD	Pediatric MELD score
Rec. Date	Recertification date for the Lab MELD score
Recon. Date	Reconfirmation date for Exceptional MELD score

The end of the report shows the total number of recipients on the waiting list of the specified center.

The footer shows the highest number of points for Urgency + Waiting time in this cluster per blood group.

9.1.11 Report LI_WL_167N Liver Waiting List _ National

This report contains all recipients registered on the liver waiting list in your country, a national liver waiting list, using the same layout as for LI_WL_167C. Data for non-local recipients are anonymous.

Note: Since implementation of MELD in the liver allocation on December 16, 2006 the liver waiting list reports have changed their appearance. The result is that they cannot be used or interpreted, respectively, as in the years before to determine the approximate time until transplantation.
The changes imply, among others:
a) Sorting
- Recipients are sorted on these reports according to their urgency:
    o HU   sorted by time in spent in HU, longest waiting first
    o ACO   sorted by time in spent in ACO, longest waiting first
    o T   sorted by MELD in descending order, same MELD scores sorted by ET numbers in ascending order
    o NT   sorted by MELD in descending order, same MELD scores sorted by ET numbers in ascending order
b) Waiting time
- Date of registration (=total waiting time) and next date of recertification or reconfirmation, respectively is given.

The question, "where is my recipient now and when will he be transplanted?", can no longer be answered through these reports. The reports are only a snapshot of the waiting list at the moment that they are generated.
But due to the MELD-specific dynamics of the waiting list, i.e. insertion of new MELD scores, downgrades, exceptions etc., no prediction can be made with regard to the place of an

individual recipient on the waiting list at time of any future matching procedures. Additionally, a further stratification in groups of recipients with the same MELD score only takes place at time of matching with a current donor. In this stratification, recipients within same MELD scores are stratified by a fraction of waiting time that calculates at time of matching the time spent;

- ✓ in the current MELD.
- ✓ previously in a MELD equal to the current or any higher MELD.
- ✓ previously in HU.

In conclusion, both reports can only serve as a snapshot of the current waiting list. They can only serve as an indicator as to

- ✓ where an individual recipient is at that moment.
- ✓ whether a recipient is in a group of recipients with the same MELD score.
- ✓ how many recipients have a higher or lower MELD score at that moment.

Parameters for this report are:

Name Parameter	Description
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported. If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

* Both parameters can be combined to show only HU pediatric recipients.

The header contains the country and an indication whether the options 'Children only' and 'HU only' are selected.
The body contains the recipient information in a one line format for the short report.

In the first line

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
Intest	Recipient is on waiting list for intestine Yes/No
ABO	Blood group
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
Age	Age
Date on WL	Date put on waiting list
Prev. Txp	Number of previous transplants
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score

Column header	Description
Ctr	Center code
ET Nr	ET registration number of recipient
Name*	Last name of recipient
Dob*	Date of birth of recipient
Sex*	Sex of recipient
Wgt	Weight of recipient
Hgt	Height of recipient
Organ req.	Organ requirement and organ combinations
Ped. MELD	Pediatric MELD score
Rec. Date	Recertification date for the Lab MELD score
Recon. Date	Reconfirmation date for Exceptional MELD score

* Display only for recipients of your own center

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.12 Report P_WL_168C_R Pancreas Waiting List - Center

This report contains all recipients registered on the pancreas waiting list in your center.
Parameters for this report are:

Name Parameter	Description
From center	Code of the center for which the report must be printed. The code must always end on 'TP'
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
HU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Cluster list	Yes/No. "Y": All recipients of the participating centers will be reported. "N": Only recipients of the own center will be reported.
Sort on	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ABO 2. ET registration number

*The second and third parameters can be combined to show only HU pediatric recipients.
The header contains the center code and an indication whether the options 'Children only', 'HU only' and 'Cluster list' are selected.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Center	Registration center code
Name	Last name
Sex	Sex
Dob	Date of birth
PA/IS	Type of transplant: pancreas or islets
Organ(s)	Organ requirement and organ combinations
Urg	Urgency code
Cum. Txp	Cumulative transplants
ABO	Blood group

Wgt	Weight
Hgt	Height
Match Comment	Match Comment
Scrn Date	Date of last antibody screening
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Curr. Unacc. Antigens	Current unacceptable antigens
Full Phenotype	Full Match Phenotype
Wait Days	Days on the waiting list
Waiting Since	Date put on waiting list

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.1.13 Report P_WL_168N Pancreas Waiting List - National

This report contains all recipients registered on the pancreas waiting list in your country, a national pancreas waiting list, using the same layout as for P_WL_168C. Data for non-local recipients are anonymous.

Parameters for this report are:

Name Parameter	Description
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
SU recipients only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Include NT recipients	Yes/ No. If "Y", transplantable and not transplantable recipients will be reported. If "N", only transplantable recipients will be reported
NAT or German REG	Choice between a National and Regional (only Germany) report.
Transplant type PA/IS	Choice between pancreas and islets.

* The first and second parameters can be combined to show only SU pediatric recipients.

The header contains the country and an indication whether the options 'Children only' and 'SU only' or 'Pancreas/Islets' are selected.

<u>In the first line</u>

Column header	Description
ET Nr	ET registration number of recipient
Ctr	Center code
Name*	Last name of recipient
Sex*	Sex of recipient
Dob*	Date of birth of recipient
PA/IS	Type of transplant: pancreas or islets
Organ(s)	Organ requirement and organ combinations
Urg	Urgency code
ACO	Approved Combined Organ status Yes/No
ABO	Blood group
Cum. Txp	Cumulative transplants
Wgt	Weight of recipient
Hgt	Height of recipient
Match comment	Match Comment

Column header	Description
ET Nr	ET registration number of recipient
Ctr	Center code
Name*	Last name of recipient
Sex*	Sex of recipient
Dob*	Date of birth of recipient
PA/IS	Type of transplant: pancreas or islets
Organ(s)	Organ requirement and organ combinations
Scrn date	Date of last antibody screening
R%	Latest antibody percentage
Auto	Auto antibody testing
H%	Highest antibody percentage
Curr. Unacc. Antigens	Current unacceptable antigens
Full Phenotype	Full Match Phenotype
Wait Days	Days on the waiting list
Waiting since	Date put on waiting list

* display only for recipients of your own center

The end of the report shows the total number of recipients on the waiting list of the specified country.

9.1.14 Report K_IM_230 Recipients on Kidney WL with Invalid/Incomplete Data

This special report generates an overview of all active or passive recipients on the kidney waiting list with invalid or incomplete data at the time of the report. These recipients are not participating in the kidney match.
There are no parameters for this report.
This report contains four individual reports with a page break per report;
1. Active recipients in the waiting room.
2. Active or passive recipients with incomplete ABO/HLA data.
3. Active or passive recipients with outdated screening.
4. Active or passive recipients without date of first dialysis or technique.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Center	Registration center code
Dob	Date of birth
Urg	Urgency code
Living	Family transplantation Yes/ No
Dial. Date	Date of first dialysis
Tech.	Dialysis technique
ABO	Blood group
Scrn Date	Date of last antibody screening
Reduced Match phenotype	Reduced match phenotype
Days in WR (report 1)	Total of days in the waiting room
Days invalid (report 2)	Total of days with invalid data

Days OS (report 3)	Total of days with outdated screening in urgency T
Report 4	Total of active of passive recipients without date of first dialysis or technique

9.2 Recipient reports - general

9.2.1 Waiting list Overview

The waiting list overview is an overview per recipient with all the relevant waiting list data. The waiting list overview can be printed out at any time. When a recipient is on more than one waiting list, all available overviews will be shown and can be printed. Select the recipient; go to Recipient – Organ - Waiting List overview. The report will appear.
Example of a Kidney waiting list overview:

The report van be printed or saved as PDF file. (For description, see chapter 8 Reports)

9.2.2 Report R_226 New and Re-registrations on the Waiting List

This report generates an overview of all new registered recipients during the given time of

period in your center.

Parameters for this report are:

Name Parameter	Description
Organs	KI/HE/LI/LU/PA or ALL
From date	Start date of report (dd.mm.yyyy)
To date	End date of report (dd.mm.yyyy)
Non-residents only	Yes/ No. "Y": only non-resident recipient will be selected. "N": all recipients will be selected.
Living only	Yes/No. If "Y", only recipients registered for family txp will be reported. If "N", all recipients will be reported

The report has a page break per organ.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Sex	Sex (Male/ female)
Dob	Date of birth
Postcode	Postal code of recipient
Country	Country of recipient
Center	Center code
ABO	Blood group
Reg. date	Registration date
Dowl	Date on the waiting list
Organ(s)	Organ requirement and organ combinations
Prev Txp	Number of transplantations
Res	Resident Yes/ No
Fam	Family transplant Yes/ No
PDC	Primary disease code ET or Primary disease code ICD-10
Reduced match phenotype	Reduced match phenotype

9.2.3   R_H_151   Dialysis Data History

This report generates an overview of registrations concerning the dialysis data for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected and the center code.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.2.4   R_H_152   Urgency History

This report generates an overview of registrations concerning the urgency for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Organ	KI/HE/LI/LU/PA or ALL
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected, the selected organ and the center code.
The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.2.5   R_H_153   Primary Disease Code History

This report generates an overview of registrations concerning the primary disease code for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Organ	KI/HE/LI/LU/PA or ALL

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Organ	KI/HE/LI/LU/PA or ALL
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected, the selected organ and the center code.

The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Item	Type of information entered
Old value	Information entered prior to update
New value	New entered information
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.3   Recipient profiles reports

9.3.1   Report K_P_231 Kidney Recipient - Donor Profiles

The recipient specific kidney profile report prints all recipients that have a recipient specific profile (so not identical to the center specific profile) and/or unacceptable antigens. The default center specific kidney donor profile is also shown on the report.

Parameters for this report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'. To simply list all centers under your authorization, enter 'ALL'. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name
Only recipients on waiting list	Yes/ No. If "Y", only recipients with urgency HU, HI, I, T and NT will be listed.If "N", also recipients with urgency R, D and FU will be included
Children only*	Yes/No. If "Y", only recipients younger than 15 years will be reported. If "N", all recipients will be reported

The header contains the center code and an indication whether the options "Only recipients on kidney waiting list" or "Children only" are selected.

The body contains the following information.

Column heading	Description
ET Nr	ET registration number

Name	Last name
Dob	Date of birth

Center and recipient profile:

Name item	Description
Min age	Minimum age of donor
Max age	Maximum age of donor
En bloc	En bloc kidneys accepted (=< 5 years) Yes/ No
Non H.B	Non heart beating donor accepted Yes/ No
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
ESP	ESP kidneys accepted Yes/ No
Sepsis	Sepsis accepted Yes/No
Mng	Meningitis accepted Yes/No
Malig tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Rescue allocation	Rescue allocation accepted Yes/No
Euthanasia Donor	Euthanasia Donor accepted Yes/ No
Accepted broad HLA mismatch	Number of accepted HLA A, B, DR mismatches

9.3.2 Report P_P_238 Pancreas Recipient - Donor Profiles

The recipient specific pancreas profile report provides a list of all recipients, who are present on the pancreas transplant waiting list, and who have a recipient-specific pancreas donor profile which deviates from the default center-specific pancreas donor profile. The default center-specific pancreas donor profile is also shown on the report.

Parameters for the report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'To simply list all centers under your authorization, enter 'ALL'. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name
Only recipients on waiting list	Yes/ No. If "Y", only recipients with urgency SU, T and NT will be listed. If "N", also recipients with urgency R, D and FU will be included

The header contains the center code and an indication whether the options 'Recipients on pancreas waiting list' or 'All recipients' are selected.

The body contains the following information.

Column heading	Description
Etnr	ET registration number
Name	Last name
PA/IS	Type of transplant: Pancreas (PA) or Islets (IS)
Dob	Date of birth
Abo	Blood group

Urg	Urgency code

Center and recipient profile:

Name item	Description
Min age	Minimum age of donor
Max age	Maximum age of donor
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
Sepsis	Sepsis accepted Yes/No
Meningitis	Meningitis accepted Yes/No
Malignant tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Rescue allocation	Rescue allocation accepted Yes/No
NHB Donor	NHB Donor accepted Yes/No
Euth. Donor	Euthanasia Donor accepted Yes/ No

9.3.3   Report LI_P_255 Liver recipient - Donor profiles

The recipient specific liver profile report provides a list of all recipients, who are present on the liver transplant waiting list. The default center-specific liver donor profile is also shown on the report.

Parameters for the report are:

Name Parameter	Description
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'.To simply list all centers under your authorization, enter 'ALL'. The recipients are grouped by center.
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET registration number 2. Name

The header contains the center code and the center name.
The body contains the following information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Dob	Date of birth

Recipient profile:

Name item	Description
Min Wgt	Minimum donor weight
Max Wgt	Maximum donor weight
LLS	Liver split, Left Lateral Segment Yes/ No
ERL	Liver split, Extended Right Lobe Yes/ No
LL	Liver split, Left Lobe Yes/ No
RL	Liver split, Right Lobe Yes/ No

Center and Recipient profile:

Name item	Description

Min age	Minimum age of donor
Max age	Maximum age of donor
HBs Ag	HBs Ag accepted Any/Neg
HBc Ab	HBc Ab accepted Any/Neg
HCV Ab	HCV Ab accepted Any/Neg
NHB.	Non heart beating donor accepted Yes/No
Domino donor	Domino donor accepted Yes/No
Expl liver	Explanted liver accepted Yes/ No
Sepsis	Sepsis accepted Yes/No
Mng	Meningitis accepted Yes/No
Malig tumor	Malignant tumor accepted Yes/No
Drug abuse	Drug abuse accepted Yes/No
Rescue Alloc.	Rescue allocation accepted Yes/No
Marg donor	Marginal donors accepted Yes/No
Euth. Donor	Euthanasia Donor accepted Yes/ No
Excl. No Cap	Exclude recipient from no transplant capacity Yes/ No

9.4   Immunological reports

9.4.1   Recipient Immunological Overview

This report shows a complete overview of the relevant immunological data of the selected recipient and makes it possible to check the presence of the most important immunological data.

The overview can be used to verify if the initial registration of a recipient on the waiting list was sufficient. Also it can be of great use whenever there is an organ offer for this specific recipient because the donor and the recipient immunological data can easily be compared this way.

Go to Recipient - Immunological Results - Immunological Overview to open the overview. Example of an overview:

```
                                                        08.12.2011  08:42:04
        Recipient Immunological Overview                Database: beta1


                                           Urgency
ET Nr    Recipient Name    Date Of Birth    ABO  Rh   Sex    KI  PA  LIV HE  LU    Reg. Center
------   --------------    -------------    ---  ---  ---    --- --- --- --- ---   -----------

399983   MANUAL            01.01.1980        O   Pos  M                      HU    NGRTP


HLA                       A           B              DR           Cw          DQ          Publics
Full Match Phenotype      A1 A3       B12 B45 B22    DR4 DR5 DR12
                                      B55

Reduced Match             A1 A3       B12 B22        DR4 DR12
Phenotype



Current Unacceptable      A2 A66      B77                         Cw6
Antigens

Antibody Screening
PRA Current                               %          Auto:       DTT Crossmatch:
PRA Highest                               %
vPRA                                    27%




Previous Transplants  : 0
Participating in AM Protocol:

Dialysis Center:

Match Comment: -
```

On this report are the HLA Typing of the recipient, the antibody screening of the recipient and the previous transplants of a recipient.
The report van be printed or saved as PDF file. (For description, see chapter 8 Reports)

9.4.2   Report REP_032_F Antibody Screening per Center - Overview

This report offers an overview of the antibody screening for your entire center. It can only be printed when a selection has been made via the antibodies per center screen. Go to Recipient – Immunological results – Antibody screening – Register per Center. Make the selection. (See Section 4 for instructions on antibodies registration per center).

In the screen "Status" the parameters for the overview must be selected. When this is done, click on the button "Print Overview" to run the report. The report will appear as a pop-up, ready to be printed.

Parameters for this report are:

Name Parameter	Description

Sorting order	Enter a number from 1 to 6. The following sorting orders will be applied: 1. ET registration number 2. Name 3. Abo/Etnr 4. Dial/Etnr 5. Dial/Name 6. Urg/Etnr
User	Center code
Selected records Y/N	Yes/ No. "Y": only selected records in antibodies per center will be printed. "N":all records will be printed

Below the report header are shown: the center code, the name of the user that processed the data and the organ being processed.

The body contains the recipients on the waiting list, selected for antibody input. For each recipient, the following information is shown:

Column heading	Description
Etnr	ET registration number
DC	Dialysis center (first 2 characters)
Name	Last name
ABO	Blood group
Sample date	Blood sample date
Center	Center code where the screening was performed
Entry date	Entry date
%%	Antibody percentage
Specificities	Antibody specificities

At the end of the report there is room for a date stamp and approval.

9.4.3 Report K_AM_129 AM Program - Waiting List

This special report generates an overview of the recipients, who take part in the Acceptable Mismatch (AM) program, at the time of the report. The content covers in particular immunological information and relevant administrative data.

Parameters for this report are:

Name Parameter	Description
Acc/unacc/all	Option between only acceptable antigens (AM), only unacceptable antigens (UN) or both (Empty). Please use always (Empty).
TP Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'. "All" shows all centers you have authorizations to see.
Sorting order	Enter a number from 1 to 3. The following sorting orders will be applied: 1. ET registration number 2. Last name 3. Center
Report by	Option between Center, blood group or none.

The header contains an indication whether the options 'unacceptable antigens', 'acceptable antigens' or 'both' are selected and whether the report options blood group, center or full list are selected.
The body contains the recipient information in a horizontal and in a vertical line.

The horizontal line contains:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Name
Date of birth	Date of birth
ABO	Blood group
Rh	Rhesus
Sex	Male or female
Urg	Urgency
Waiting since	Start of waiting time
Reg. Center	Registration center code

The vertical line contains:

Column heading	Description
Full match Phenotype	Full match phenotype
Reduced match phenotype	Reduced match phenotype
Current Acceptable Antigens	Current acceptable antigens
Current Unacceptable Antigens	Current unacceptable antigens
PRA Current	Latest antibody percentage
PRA Highest	Highest antibody percentage
Current Antibody Specifities	Current antibody specificities
Cumulative Antibody Specifities	Cumulative antibody specificities

In case of (a) previous transplantation(s) the next line contains:

Column heading	Description
Transplant	Amount of transplants, Transplant number, transplant date and donor number
Full match phenotype	Type of HLA and Full match phenotype
Dialysis Ctr	Dialysis center
Match Comment	Match Comment

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.4.4   Report K_IM_102_R Antibody Screening per Center - Work List

This report can be used to write down the results of the antibody screening.
Parameters for this report are:

Name Parameter	Description
TP center	Code of the center for which the report must be printed. The code must always end on 'TP'.
Sort By	Enter a number from 1 to 6. The following sorting orders will be applied: 1. ET Nr 2. Name 3. Dial/ET Nr 4. Dial/Name 5. Urg/ET Nr 6. ABO/Name

The header shows the center code and how the report is sorted.
The body contains the following recipient and screening information:

Column heading	Description
ET Nr	ET registration number
Recipient Name	Last name
Date of birth	Date of birth
ABO	Blood group
Cnct ctr/Dial ctr	Recipient center/ dialysis center
DTT Crossmatch	Has the serum have to be tested with DTT
Urg	Urgency of recipient
Sample Date	Date of the test sample
%PRA	Antibody percentage
Specificities	Antibody specificities

9.4.5   Report R_IM_130 Transplantable Recipients with Outdated Screening

This special report generates an overview of recipients with an outdated screening.
Parameters for this report are:

Name Parameter	Description
TP center	Code of the center for which the report must be printed. The code must always end on 'TP'
Organ	LOV: KI, HE, LU, LIV, PA
Date screening becomes	The date the screening becomes outdated, default filled with current date
Page break on dialysis center	Yes/ No. If "Y", recipients are grouped by dialysis center. If "N", all recipients will be reported by sorting order

The header shows the organ selected, the outdated date and the center code.
The body contains the following recipient and screening information:

Column heading	Description
Seq Nr	Ranking order
Center	Registration center code
ET Nr	ET registration number
Name	Last name
Date of birth	Date of birth
Urg	Urgency status of recipient
Last Scrndt	Date on which the last screening was tested
Dialysis center	Dialysis center of recipient

9.4.6   Report K_IM_241 Immunological Monitoring Report

This special report generates an overview of the rank positions of one or all recipients including the allocation results.

Parameters for this report are:

Name Parameter	Description
From date	Start date of report
Until date	End date of report
Center	Code of the center for which the report must be printed. The code must always end on 'TP'

Recipient ET nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position to report	Highest ranking number selected in the report
Recipient(s) must currently be on the wl	Yes/No. If "Y", only recipients currently on the waiting list will be reported. If"N", all recipients will be reported
Outcome of crossmatch 1	LOV: ALL/POS/NEG (all results/only negative/only positive results)
Outcome of crossmatch 2	LOV: ALL/POS/NEG (all results/only negative/only positive results)

The header contains the center code and the period for which the report is selected.
The body contains the recipient information and the match results with one or several donors.

The recipient information contains:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Sex	Male or female
DOB	Date of birth
Full Phenotype	Recipient full HLA typing
Unacc Antigens per	Date of entry and unacc. Antigens

The match results contains:

Column heading	Description
Match date	Date of match results
Donor	ET registration number of donor
Dctr	Donor center
ABO	Blood group of donor
M. Type	Type of match recipient appeared on
Rank	Rank position on match list
PRA%	Latest antibody percentage
Auto	Auto antibody testing
DTT	DTT cross match needed (Yes/ No)
Serum date	Date of cross match serum in donor center
Res	Result of first cross match in donor center
Ctr	Tissue Typing Center which performed cross match
Res	Result of second cross match in transplant center
Ctr	Tissue Typing Center which performed cross match
Mism	Result of HLA mismatches
Donor Telephone Phenotype	Donor HLA typing by donor center
Decision	Decision after organ offer. If not accepted, reason why the organ was not accepted is shown

9.4.7   Report R_WL_137 Waiting List - Immunological

 This special report generates an overview of all relevant immunological data, including the donor HLA-typing of previous transplants, for all recipients (or only one) who are on a waiting list at the time of the report.

Parameters for this report are:

Name Parameter	Description
TP Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'. Default filled with 'All', this contains all center codes the user is authorized to see.
Single ET nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
Acc./Unacc./All	LOV:Acceptable Antigens (Acc), Unacceptable Antigens (Unacc), Both (All).
Report by	Choose in LOV: None, TP Center or ABO.
Sorting order	Enter a number from 1 to 3. The following sorting orders will be applied: 1. ET Nr 2. Last Name 3. Dialysis Center.

The header shows the center code and the selected parameters.
The body contains the recipient information in a horizontal and in a vertical line.
The horizontal line contains:

Column heading	Description
ET Nr	ET registration number.
Recipient Name	Last name of recipient
Date Of Birth	Date of birth
ABO	Blood group of recipient
Rh	Rhesus factor of recipient
Sex	Male or female
Urg	Urgency status of recipient per organ
Reg. Center	Registration center code

The vertical line contains 3 parts:

HLA

Column heading	Description
Full Match Phenotype	Full match phenotype of recipient
Reduced Match Phenotype	Reduced match phenotype of recipient
Current Acceptable Antigens	Current acceptable antigens of recipient
Current Unacceptable Antigens	Current unacceptable antigens of recipient

Antibody Screening

Column heading	Description
PRA Current	Current antibody screening of recipient in percentage with sample date
PRA Highest	Highest antibody screening of recipient in percentage with sample date
Current Antibody Specificities	Current antibody specificities of recipient
Cumulative Antibody Specificities	Cumulative antibody specificities of recipients

Previous TXP

Column heading	Description

Previous KI TXP	Amount of previous kidney transplants
Dialysis Center	Dialysis center of recipient
Match Comment	Free text field containing all sorts of information

In case of a previous transplantation the next line contains:

Column heading	Description
Transplant	Transplant number
Date	Date of transplantation
Organ	Left or right or both kidneys
Donor	Donor number
Full match phenotype	Type of HLA and Full match phenotype

The end of the report shows the total number of recipients on the waiting list of the specified center.

9.4.8   R_H_150   Screening History

This report generates an overview of registrations concerning the screening for a single recipient or all recipients in your center during the given time of period. Parameters for this report are:

Name Parameter	Description
Center	Code of the center for which the report must be printed. The code must always end on 'TP'
ET Nr	Possibility to run the report for a single recipient. Leave blank: all recipients are selected
From Date	Start date of report (dd.mm.yyyy)
To Date	End date of report (dd.mm.yyyy)
Page break on ET Nr	Yes/ No. If "Y", recipients are grouped by ET Nr. If "N", all recipients will be reported by sorting order
View changes by	LOV A/C/R A: All users, C: Central – Eurotransplant, R: Remote ed

The header contains the period selected and the center code.The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number
Name	Last name
Sample date	Sample date of last PRA screening
%PRA	Current antibody screening of recipient in percentage
Screen type	Screenings type
Auto	Auto antibody testing
DTT Cross match	DTT cross match needed Yes/No
Curr. Specifities	Current antibody specificities of recipient
Entry date	Date of entry new information
Changed by	Username of person who entered the information

9.5   Donor reports

9.5.1   Report D_244 Donor Report/ D_244 PB Donor report

This report shows all your donors from your own center and the status of the organs over a specific period.

Parameters for this report are:

Name Parameter	Description
From date	Start date of report
Until date	End date of report
Country	Country for which the report must be printed. Default: ALL
Center	Code of the center for which the report must be printed. The code must always end on 'TP'. Default: ALL
Donor type	Donor type. LOV: All (all types), C (cadaver), L (livng). Default All
Cadaver type	Cadaver type. LOV: HB, NHB, ALL

The header shows the selected country, center, donor type and the selected period.
The body contains the following information:

Column heading	Description
Ctr Code	Donor registration center code
Reg Date	Registration date of donor
Donor Nr	ET registration number of donor
Abo	Blood group
Age	Age of donor
Type	Type of donor: HB/ NHB + cat for cadaveric donors. For living donors the code of the relation between donor and recipient is shown. If the donor was a Euthanasia donor, the text "(Euth.) is shown behind the catagory
Centre	Donor registration center

After this all organs appear with the status of that specific organ. The status can be confirmed transplanted, transplanted or reason not reported, not offered, not accepted or not transplanted.

The end of the report shows the total number of donors in the specified center over a specific period.

9.6   Transplant reports

9.6.1   Report K_T_115(_R) Kidney Transplants with Missing Follow Up

This report shows all missing transplant follow-up information over a specific period.
Parameters for this report are:

Name Parameter	Description
Select by	LOV: TP ctr (transplant center) or FUP ctr (follow-up center).
Center	Code of the center for which the report must be printed or ALL (only with authorization). The code must always end on 'TP'.
Report date	Date of today (dd.mm.yyyy)
Start date	Start date of report
End date	End date of report

The header contains the period selected and the center code.

Column heading	Description
Etnr	ET registration number
Name	Last name
Date of birth	Date of birth

S	F(emale) or M(ale)
Txp date	Date of transplantation
Donor type	Cad(aver) or Liv(ing)
Txp type	Organ type
Txp nr	Number of transplantation
Diuresis post txp first day	in ml/hrs
Rest diuresis	in ml/hrs
Txp site	Left or Right
CIP	in Hours/Minutes
WIP2/Anast	in Minutes
Immunosuppressive therapy	Short codes, shown at bottom of report
Remarks	Remarks

9.6.2 Report T_243 Transplant Report

This report shows all transplantations of your own center over a specific period.
Parameters for this report are:

Name Parameter	Description
From date	Start date of report
To date	End date of report
Center(s)	Code of the center for which the report must be printed. The code must always end on 'TP'
Organ	All/KI/PA/HE/LU/LI
Donortype	C(adaver) or L(iving) or ALL

The header contains the selected organ and the selected period.

Column heading	Description
Rct	Recipient registration center
Date of txp	Transplantation date
Etnr	ET registration number
Recipient name	Name of the transplanted recipient
Sex	F(emale) or M(ale)
Dob	Date of birth
Type of txp	Transplanted organs
Txp Remarks	Remarks to the transplantatton
MELD	MELD score of recipient at time of transplantation
Donor	ET registration number of donor
Dct	Donor registration center
Type of donor	Heartbeating or NHBD cat/ relationship of donor and recipient*
Type	In case of Cadaveric donors: HB (Heartbeating) or Non-HB (non-heartbeating)
Relationship	In case of a living donor, relationship of donor and recipient

*Information shown onder this item depends on selected parameter:
if selected parameter is Cadaver: Heartbeating or NHBD cat*
If selected parameter is Living: relation to recipient is shown
If selected parameter is All: Heartbeating or NHBD cat or relation of donor to recipient.

The end of the report shows the total number of transplantations done in the specified center over a specific period.

9.7   Match reports

9.7.1   Report A_R_286 - Post Allocation report to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list. This is a basic report, organ specific information will be added in time.

Parameter for this report is:

Name Parameter	Description
From Date	Start date of report
Until Date	End date of report
Center	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient Et Nr.	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position on report	10 (default)
Include unfiltered occurrences	Yes/ No

The header of this report shows the Center code or the ET nr of the recipient and the selected period. Sorting order and max rank is shown.
The body contains the following recipient information:

Column heading	Description
ET Nr	ET registration number of recipient
Sex	F(emale) or M(ale)
Dob	Date of birth
Organ	Organ used in matching
Urg	Urgency of recipient
Match date	Date of match
Donor nr	ET registration number of donor
Center	Donor center code
Age	Age of donor
Rank	Ranking position on match
Decision	Decision code of allocation and reason

9.7.2   Report A_R_287 Post Allocation report to Donor Center

This report shows the selected recipients per organ match for a specific donor, including the factors which determine the recipient's position on the allocation list. It shows the decisions of the centers, to provide an overview of the allocation sequence. This is a basic report,

organ specific information will be added in time.

Parameter for this report is:

Name Parameter	Description
Donor number	Start date of report
Include all recipients until rank	15 (default)

The header of this report shows the donor number, donor center code and some basic information of the selected donor (age, ABO, sex, weight, height and registration date). The body contains the following recipient information:

Column heading	Description
Rank	Ranking position on match
Organ	Organ used in matching
ET Nr	ET registration number of recipient
ABO	ABO of recipient
Ctr	Recipient center code
Age	Age of recipient
Sex	F(emale) or M(ale)
Urg	Urgency of recipient
Decision	Decision code of allocation and reason

9.7.3   Report HL_M_280 Thoracic Match - Post Allocation to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list. The report is under construction and not available at the moment

9.7.4   Report K_M_224 Kidney Match - Post Allocation to Transplant Center

This report contains information on the allocation procedures during a specified period, including the factors which determine the recipient's position on the allocation list.
Parameter for this report are:

Name Parameter	Description
From date	Start date of report
Untill date	End date of report
Centers to do	Code of the center for which the report must be printed/ ALL. The code must always end on 'TP' (All: centers authorized to see)
Single recipient ET nr	ET registration number
Sorting order	Enter a number from 1 to 2. The following sorting orders will be applied: 1. ET Nr 2. Last Name
Maximum rank position	10 (default)
Include unfiltered occurrences	Yes/ No

The body contains the following recipient and donor information:

Column heading	Description
Etnr	ET registration number of recipient
Name recipient	Last name
Date birth	Date of birth
S	F(emale) or M(ale)
HU	Yes/ No
Match date	Date of match
Et nr	ET registration number of donor
Ctr	Donor center code
M-Lvl	Match level: DR SP(lit) or BR(oad) level
Organ	Organ used in matching
Crit	Mismatch results
Mism	Mismatch score
Mmp	Mismatch probability score
Wait	Waiting time score
B_Nat	National balance score
B_Reg	Regional balance score
Dist	Distance score
Pae+HU	Pediatric score
Total	Total score
Rank	Ranking position on match
Decision	Decision code of allocation and reason

At the bottom of every page is shown what the points are for HU status.

9.7.5   R_M_180   Match filter report for recipient

This report offers an overview of the reasons why a specific recipient was excluded from match activities.
Parameter for this report are:

Name Parameter	Description
Recipient ET nr	ET registration number of recipient
Match type	ALL/ Kidney (match)/ Liver (match)/ Pancreas (match)/ Thoracic (match)
From date	Start date of report
Untill date	End date of report
Maximum rank unfiltered	10 (default)

The header of this report shows the ET nr of the recipient and the selected period.
The body contains the following recipient and donor information

Column heading	Description
Donor	Et registration number of donor
Match date	Date of match
Center	Center of recipient
Unfilt Rank	Rank on unfiltered match list
Match	Match type

Behind the Item "Match" the profile criteria are shown. If a recipient is excluded due to a specific criterium, this is shown via a code. The codes are shown and explained at the bottom of the report.

9.8   Waiting list extracts per organ

This type of extract generates a data set, which contains information on recipients on the waitinglist (active and passive status) at the time of the extract request. Per organ is an extract available, with organ-specific information.
The different extracts are:

- K_X_008   Kidney Waiting List - Extract
- LI_X_009   Liver Waiting List - Extract
- HE_X_010   Heart Waiting List - Extract
- P_X_011   Pancreas Waiting List - Extract
- LU_X_012   Lung Waiting List - Extract

All the extracts use the same input parameters in order to generate the the data set.
The parameters for these extracts are:

Name item	Description
Separator	Default is the separator ";"
For center	Format is xxxTP
Unicode	Yes/ No

9.8.1   K_X_008   Kidney Waiting List - Extract

The kidney waiting list extract reports all recipients, who are on the kidney waiting list. This report also includes the recipients, awaiting a combined kidney transplant.

Column header	Explanation
Etnr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-urg	Current liver urgency code (HU, T, NT, R, FU)
He-urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-urg	Current lung urgency code (HU, T, NT, R, FU)
Urg comment	Comments to urgency
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient

Column header	Explanation
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Put on WL	Date put on kidney waiting list
Previous	Bonus Waiting Time in days
Current	Waiting Time in days
Match	Official Waiting Time used in the ET Kidney Allocation System in days
Current NT	If NT urgency code: number of continuous days the recipient is on the "NT" status (in days)
Family txp	Recipient waiting for live donor txp Yes/ No
Dialysis Ctr	Dialysis center name
Address Ctr	Address dialysis center
Telephone Ctr	Telephone number dialysis center
Dialysis Physician	Name of dialysis physician
Telephone Physician	Telephone number of dialysis physician
Scr date	Date of last screening
Scr Invalid	Is the last screening date within valid range of extract date (i.e 152 days) Yes/ No. "Y" = valid, "N" = outdated
R %	Current % PRA screening
Auto	Auto antibodies
DTT cross match	DTT cross match needed (Yes/ No)
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
MMP	Mismatch probability factor = number of points scored for this allocation factor
AM	Recipient in Acceptable Mismatch program Yes/ No
A,B_Full_Phenotype	HLA-A ,B, C in recipient full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in recipient full match phenotyping
KI_PDC-EDTA	Primary disease code for kidney End-stage renal disease (Code table 1A,Ki Disease)
KI_PDC-ICD10	Primary disease code ICD10 for kidney (Code table 1B,Ki Disease)
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Date 1st dialysis	Date of (re)institution of dialysis
Dialysis-Tech	Dialysis Technique
Date-out-wr	Date out of waiting room
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient

Column header	Explanation
Other relevant diseases	Kidney waiting list secundary diagnosis
Donor Min age	Minimum acceptable donor age - Recipient profile
Donor Max age	Maximum acceptable donor age - Recipient profile
Donor Accept en bloc	En bloc kidneys accepted Yes/ No - Recipient profile
Donor NHB Donor	Non-heartbeating donors accepted Yes/ No - Recipient profile
Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
Donor ESP	Accepted ESP donor Yes/ No – Recipient profile
Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
Donor Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min age	Minimum acceptable donor age - Center profile
CP Max age	Maximum acceptable donor age - Center profile
CP Accept en bloc	En bloc kidneys accepted Yes/ No - Center profile
CP Accept non-heartbeating	Non-heartbeating donors accepted Yes/ No - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP ESP	Accepted ESP donor Yes/ No – Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP Rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Euthanasia donor	Euthanasia donor accepted Yes/ No - Center profile
Match comment	Match Comment
Participating in	ES(D)P/ ETKAS. Indication of match type recipient is participating in (for German recipients only)

9.8.2   LI_X_009   Liver Waiting List - Extract

The liver waiting list extract reports all recipients, who are on the liver waiting list.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient

Column header	Explanation
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-urg	Current liver urgency code (HU, T, NT, R, FU)
He-urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient
Height	Height of recipient
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on liver waiting list
Lab MELD	MELD based on Lab values
Exc. MELD	Exceptional MELD score
Ped. MELD	Pediatric MELD score
Intestine	Intestine required
Living txp	Recipient waiting for living donor txp Yes/ No
A,B_Full_Phenotype	HLA-A, B, C in recipient full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in recipient full match phenotyping
Indication for Transplantation	Primary disease code for End-stage liver disease (Code table 3, Li Disease)
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Match comment
RP min donor age	Minimum acceptable donor age - Recipient profile
RP max donor age	Maximum acceptable donor age - Recipient profile
RP HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP min weight	Minimum acceptable donor weight - Recipient profile
RP max weight	Maximum acceptable donor weight - Recipient profile
RP Domino liver	Accepted domino liver Yes/ No - Recipient profile

Column header	Explanation
RP explanted liver	Accepted explanted liver Yes/ No – Recipient profile
RP NHB Donor	Non-heartbeating donors accepted Yes/ No– Recipient profile
RP Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
RP Malignant tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Drug Abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Marginal donor	Marginal donor accepted Yes/ No - Recipient profile
RP Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
CP min donor age	Minimum acceptable donor age - Center profile
CP max donor age	Maximum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP HBc Ab	Accepted donor virology Neg/ Any - Center profile
CP Domino liver	Accepted domino liver - Center profile
CP explanted liver	Accepted explanted liver - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Marginal donor	Marginal donor accepted Yes/ No - Center profile
CP Euthanasia Donor	Euthanasia donor accepted Yes/ No - Center profile
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Liver waiting list secundary diagnosis
RP Split LLS	LLS split accepted Yes/ No – Recipient profile
RP Spit ERL	ERL split accepted Yes/ No – Recipient profile
RP Split LL	LL split accepted Yes/ No – Recipient profile
RP Split RL	RL split accepted Yes/ No – Recipient profile

9.8.3   HE_X_010   Heart Waiting List - Extract

The heart waiting list extract reports all recipients, who are on the heart waiting list.
This report does not include the recipients, who are also on the lung waiting list (e.g.
awaiting a heart+lung transplantation). This has been done, since the lung waiting list
parameters are used in the heart+lung allocation program.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient

Column header	Explanation
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-urg	Current liver urgency code (HU, T, NT, R, FU)
He-urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Reason	Reason for urgency NT, R
Lu-urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on kidney waiting list
Current T	Number of contiguous days the recipient has been as 'T' on the waiting list
Total T	Total number of days the recipient has been on the waiting list as 'T' (active) = official waiting time used in the ET heart allocation system
Current NT	If NT urgency code number of contiguous days the recipient is on the 'NT' status
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
Unacceptables	Unacceptable Antigens
A,B_Full_Phenotype	HLA-A, B, C in recipient full match phenotyping
–HE-pdc - ET	Primary disease code ET for heart (Code table 4A, He disease)
Description	Description of Primary Disease Code
HE-pdc- icd10	Primary disease code ICD-10 for heart (Code table 4B, He disease)
Description	Description of Primary Disease Code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HBcAb	HBc Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT

Column header	Explanation
Match comment	Match comment
Foreign approval	Has the HU status been approved by the international audit committee Yes/ No/Empty
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Heart waiting list secundary diagnosis
RP Min Donor Age	Minimum acceptable donor age - Recipient profile
RP Max Donor Age	Maximum acceptable donor age - Recipient profile
RP Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor CMV	Accepted donor virology Neg/ Any - Recipient profile
RP Female Donor Min height	Minimum acceptable height for female donor - Recipient profile
RP Female Donor Max height	Maximum acceptable height for female donor- Recipient profile
RP Male Donor Min height	Minimum acceptable height for male donor- Recipient profile
RP Male Donor Max height	Maximum acceptable height for male donor- Recipient profile
RP Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
RP Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
RP Donor rescue allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min age	Minimum acceptable donor age - Center profile
CP Max age	Minimum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug Abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino Donor	Domino donor accepted Yes/ No - Center profile
CP Rescue Allocation	Rescue allocation accepted Yes/ No - Center profile

9.8.4   P_X_011   Pancreas Waiting List - Extract

The pancreas waiting list extract reports all recipients, who are on the pancreas waiting list. This report also includes the recipients, awaiting a pancreas+kidney transplant.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-Urg	Current liver urgency code (HU, T, NT, R, FU)
He-urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-Urg	Current lung urgency code (HU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Put on WL	Date put on pancreas waiting list
Total T	Total number of days the recipient has been "T" on the waiting list
Total NT	Total number of days the recipient has been "NT" on the waiting list
Match points	Total of points which will be used in the match
Living	Recipient waiting for live donor txp Yes/ No
Scr date	Date of last screening
Scr Invalid	Is the last screening date within valid range of extract date (i.e 152 days)
R %	Current % PRA screening
Auto	Auto antibodies
DTT crossmatch	DTT cross match needed (Yes/ No)
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
AM	Recipient in Acceptable Mismatch program Yes/ No
A,B_Full_Phenotype	HLA-A ,B, C in recipient full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in recipient full match phenotyping

Column header	Explanation
PA-PDC-ET	Primary disease code ET for pancreas (Code table 2A, Pa disease)
Description	Description of Primary Disease Code
PA-PDC-ICD10	Primary disease code ICD-10 for pancreas (Code table 2B, Pa disease)
Description	Description of Primary Disease Code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Any Relevant Comment for the match, which cannot be entered on the recipient-specific pancreas donor profile
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Pancreas waiting list secundary diagnosis
No. of pa txp in other center	Number of pancreas transplantations in other center
Transplant type	The type of transplant the recipient needs Islets (IS) or whole pancreas (PA)
Donor Min age	Minimum acceptable donor age – Recipient profile
Donor Max age	Maximum acceptable donor age – Recipient profile
Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
Donor Sepsis	Donor with meningitis accepted Yes/ No - Recipient profile
Donor Meningitis	Donor with malignant tumor accepted Yes/ No - Recipient profile
Donor Malignant Tumor	Donor with drug abuse accepted Yes/ No - Recipient profile
Donor Drug abuse	Domino donor accepted Yes/ No – Recipient profile
Donor Domino donor	Rescue allocation accepted Yes/ No - Recipient profile
Donor Rescue Allocation	Donor with meningitis accepted Yes/ No - Recipient profile
Donor NHB Donor	NHB donor accepted Yes/ No - Recipient profile
Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min Age	Minimum acceptable donor age – Center profile
CP Max Age	Maximum acceptable donor age – Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile

Column header	Explanation
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP Rescue Allocation	Rescue allocation accepted Yes/ No - Center profile
CP NHB Donor	NHB donor accepted Yes/ No - Center profile
CP Euthanasia Donor	Euthanasia donor accepted Yes/ No – Center profile
C-Peptide	C-Peptide value
Unit	C-Peptide unit

9.8.5   LU_X_012   Lung Waiting List - Extract

The lung waiting list extract reports all recipients, who are on the lung waiting list. This report also includes the recipients, awaiting a heart+lung transplant.

Column header	Explanation
ET Nr	ET registration number of recipient
Ctr	Registration center of recipient
Last Name	Last name of recipient
First Name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Age	Age of recipient at time of extract
Country	Country of recipient
ET Resident	Is recipient considered a match resident Yes/ No
Req- Organs	Organs for which recipient is on the (active or passive) waiting list(s)
Ki-urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-urg	Current pancreas urgency code (SU, T, NT, R, FU)
Liv-urg	Current liver urgency code (HU, T, NT, R, FU)
He-urg	Current heart urgency code (HU, 1A, 1B, T, NT, R, FU)
Lu-urg	Current lung urgency code (HU, T, NT, R, FU)
Reason	Reason for urgency NT, R
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Ki txps	Total kidney transplants registered in ENIS for this recipient
Pa txps	Total pancreas transplants registered in ENIS for this recipient
Liv txps	Total liver transplants registered in ENIS for this recipient
He txps	Total heart transplants registered in ENIS for this recipient
HeLu txps	Total combined heart+lung transplants registered in ENIS for this recipient
Lu txps	Total lung transplants registered in ENIS for this recipient
Date on WL	Date put on lung waiting list
Current T	Number of continuous days the recipient has been as 'T' on the waiting list
Total T	Total number of days the recipient has been on the waiting list as 'T' (active) = official waiting time used in the ET lung allocation system

Column header	Explanation
Current NT	If NT urgency code number of contiguous days the recipient is on the 'NT' status
Lung requirement	Type of txp required B(oth)/ R(ight)/ L(eft) or combinations
Living Txp	Recipient waiting for live donor txp Yes/ No
Scr date	Date of last screening
R %	Current % PRA screening
H %	Highest % PRA screening
Unacceptable	Unacceptable antigens
A,B_Full_Phenotype	HLA-A ,B, C in recipient full match phenotyping
DR_Full_Phenotype	HLA-DR, DQ in recipient full match phenotyping
Lu-pdc-et	Primary disease code ET for lung (Code table 5A, Lu disease)
Description	Description of disease code
Lu-pdc-icd10	Primary disease code ICD-10 for lung (Code table 5B, Lu disease)
Description	Description of disease code
HBs Ag	HBs Ag status of recipient Pos/ Neg/ NT
HBs Ab	HBs Ab status of recipient Pos/ Neg/ NT
HBcAb	HBc Ab status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Match comment	Match comment
Foreign approval	Has the HU status been approved by the international audit committee Yes/ No/Empty
Address	Address of recipient
Post code	Post code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
Local hospital number	Local hospital number of recipient
Other relevant diseases	Lung waiting list secundary diagnosis
RP Min donor Age	Minimum acceptable donor age
RP Max donor Age	Maximum acceptable donor age
RP Donor HBsAg	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HBcAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor HCVAb	Accepted donor virology Neg/ Any - Recipient profile
RP Donor CMV	Accepted donor virology Neg/ Any - Recipient profile
RP Min Donor TLC	Minimum acceptable donor Total Lung Capacity
RP Max Donor TLC	Maximum acceptable donor Total Lung Capacity
RP Donor Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
RP Donor Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
RP Donor Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
RP Donor Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
RP Donor Domino donor	Domino donor accepted Yes/ No – Recipient profile
RP Donor Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
RP Donor NHB Donor	NHB donor accepted Yes/ No - Recipient profile

Column header	Explanation
RP Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
RP Donor Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
CP Min Age	Minimum acceptable donor age - Center profile
CP Max Age	Minimum acceptable donor age - Center profile
CP HBsAg	Accepted donor virology Neg/ Any - Center profile
CP HBcAb	Accepted donor virology Neg/ Any - Center profile
CP HCVAb	Accepted donor virology Neg/ Any - Center profile
CP Sepsis	Donor with sepsis accepted Yes/ No - Center profile
CP Meningitis	Donor with meningitis accepted Yes/ No - Center profile
CP Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Center profile
CP Drug abuse	Donor with drug abuse accepted Yes/ No - Center profile
CP Domino donor	Domino donor accepted Yes/ No - Center profile
CP rescue allocation	Rescue allocation accepted Yes/ No - Center profile
CP Donor NHB Donor	NHB donor accepted Yes/ No - Center profile
CP Donor Euthanasia Donor	Euthanasia donor accepted Yes/ No – Center profile

9.8.6 HL_X_034_R Thoracic Waiting List with donor profile – Extract

This extract offers an overview of all registered thoracic recipients and the entered recipient profile.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Organ	HE/LU/HELU
List	Center/ Country/Cluster **
HU only*	Yes/No. If "Y", only high urgency recipients will be reported. If "N", all recipients will be reported.
Children only*	Yes/No. If "Y", only recipients younger than 16 years will be reported.If "N", all recipients will be reported
Unicode	Yes/ No

*The last two parameters can be combined to show only HU pediatric recipients
** If the list is made for the entire country or cluster, the items "Name", "Dob"and "Sex" are shown for the recipient of your own center only.
The header shows the selected parameters. The body contains the following columns:

Column header	Explanation
Center	Registration center of recipient
ET Nr	ET registration number of recipient
Name	Last name of recipient
Dob	Date of birth of recipient
Sex	Sex of recipient F(emale) or M(ale)
Weight	Weight of recipient in kg
Height	Height of recipient in cm
Organs required	Organs for which recipient is on the (active or passive) waiting list(s)

Column header	Explanation
ABO	Blood group and rhesus factor
Urgency	Current thoracic urgency code (HU,U, T, NT, R, FU)
Foreign Approval	Has the HU status been approved by the international audit committee Yes/ No
Date on WL	Date put on heart waiting list
Days in HU	Number of continuous days the recipient has been as 'HU' on the waiting list
Days on U	Number of continuous days the recipient has been as 'U' on the waiting list
Days on T	Number of continuous days the recipient has been as 'T' on the waiting list
Days on NT	Number of continuous days the recipient has been as 'NT' on the waiting list
Screening Date	Date of last screening
Current PRA%	Current % PRA screening
Auto	Auto antibodies
Highest PRA%	Highest % PRA screening
Unacceptables	Unacceptable Antigens
Cumulative specifities	Cumulative specifities
Full match phenotype	HLA-A ,B, DR, DQ in recipient full match phenotyping
Min donor age	Minimum acceptable donor age
Max donor age	Maximum acceptable donor age
HBsAg	Accepted donor virology Neg/ Any
HCVAb	Accepted donor virology Neg/ Any
HBcAb	Accepted donor virology Neg/ Any
CMV	Accepted donor virology Neg/ Any
Female Donor min. height	Minimal acceptable female donor length
Female Donor max. height	Maximal acceptable female donor length
Male Donor min. height	Minimal acceptable male donor length
Male Donor max. height	Maximal acceptable male donor length
Sepsis	Donor with sepsis accepted Yes/ No - Recipient profile
Meningitis	Donor with meningitis accepted Yes/ No - Recipient profile
Malignant Tumor	Donor with malignant tumor accepted Yes/ No - Recipient profile
Drug abuse	Donor with drug abuse accepted Yes/ No - Recipient profile
Domino donor	Domino donor accepted Yes/ No – Recipient profile
Rescue Allocation	Rescue allocation accepted Yes/ No - Recipient profile
NHB Donor	NHB donor accepted Yes/ No - Recipient profile
Euthanasia Donor	Euthanasia donor accepted Yes/ No - Recipient profile
Exclude Recipient from No Capacity	Exclude Recipient from No Capacity Yes/ No - Recipient profile
Current LAS score	LAS score currently used in match

9.8.7   K_X_027   Tbase Kidney Waiting List - Extract

The kidney waiting list extract reports all recipients, who are on the kidney waiting list.
The parameters for these extracts are:

Name item	Description
Separator	Default is the separator ";"
For center	Format is xxxTP
Unicode	Yes/ No

Column header	Explanation
Etnr	ET registration number of recipient
Last name	Last name of recipient
First name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Ki-Urg since	Date of last urgency status change or update
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Put on WL	Date put on kidney waiting list
Dialysis Ctr	Dialysis center name
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
FM class I	HLA-A ,B, C in recipient full match phenotyping
FM class II	HLA-DR, DQ in recipient full match phenotyping
Primary disease code	Primary disease code for kidney End-stage renal disease (Code table 1,Ki Disease)
HBsAg	HBs Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Date 1st dialysis	Dtae of first dialysis
Dialysis-Tech	Dialysis technique
Address	Address of recipient
Post code	Postal code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
No. of ki txp in other center	Number of ki transplantations in other center then current registration center

9.8.8   P_X_029   Tbase Pancreas Waiting List - Extract

The pancreas waiting list extract reports all recipients, who are on the pancreas waiting list.
The parameters for these extracts are:

Name item	Description
Separator	Default is the separator ";"

For center	Format is xxxTP

Column header	Explanation
Etnr	ET registration number of recipient
Last name	Last name of recipient
First name	First name of recipient
Sex	Sex of recipient F(emale) or M(ale)
Dob	Date of birth of recipient
Ki-Urg	Current kidney urgency code (HU, HI, I, T, NT)
Pa-Urg	Current pancreas urgency code (SU, T, NT, R, FU)
Pa-Urg since	Date of last urgency status change or update
ABO	AB0 blood group of recipient
Rh	Rhesus factor of recipient
Weight	Weight of recipient in Kgs
Height	Height of recipient in cms
Put on WL	Date put on kidney waiting list
Scr date	Date of last screening
R%	Current % PRA screening
H%	Highest % PRA screening
FM class I	HLA-A ,B, C in recipient full match phenotyping
FM class II	HLA-DR, DQ in recipient full match phenotyping
Primary disease code	Primary disease code for kidney End-stage renal disease (Code table 2,Pa Disease)
HBsAg	HBs Ag status of recipient Pos/ Neg/ NT
HB Imm	HB immunization Yes/ No
HCV Ab	HCV Ab status of recipient Pos/ Neg/ NT
CMV IgG	CMV IgG status of recipient Pos/ Neg/ NT
Address	Address of recipient
Post code	Postal code of recipient
City	City of recipient
Telephone home	Home tel. nr of recipient
Telephone other	Other tel. nr of recipient
No. of pa txp in other center	Number of pancreas transplantations in other center then current registration center

9.8.9   R_X_025   Waiting List With Insurance Data - Extract

The waiting list extract lists recipient and waiting list data, plus recipient insurance data, from all waiting list registrations of the indicated organ type and in the indicated period.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Organ	ALL, KI, PA, HE, LU or LIV
From date	Format: dd.mm.yyyy
To date	Format: dd.mm.yyyy

Non residents only	Y(es) or N(o). If "Y", only non-resident recipients are shown. If "No", all reported recipients are shown
Center(s)	Default is 'ALL', which means all transplants from the user's center are shown.
Unicode	Yes/ No

If the center to do name begins with 'G' the column header for the insurance company is filled with 'VK-nr', otherwise it is filled with 'R-ins-comp'.

Column header	Meaning
R-ET Nr	ET registration number of recipient
R-Name	Last and first name of recipient
R-Sex	Sex of recipient F(emale) or M(ale)
R-Dob	Date of birth of recipient
R-Address	Address of recipient
R-Postcode	Post code of recipient
R-City	City of recipient
R-Country	Country of recipient
R-Center	Registration center of recipient
R-Reg. Date	Registration date of recipient
R-Date on wl	Date put on waiting list
R-Required Organ (s)	Organs for which recipient is on the (active or passive) waiting list(s)
R-Cum. txp	Cumulative transplants: number of transplants of the organ selected at the date put on waiting list
R-Living	Recipient waiting for living donor txp Yes/ No
R-Recip in ET	Is recipient considered a match resident Yes/ No
R-Ins Type	Type of insurance
R-Ins-Comp	Code of insurance company
R-Ins Nr	Insurance number of recipient
IHR-Last Name	Last name of insurance holder name
IHR-Initials	Initials of insurance holder
IHR-Sex	Sex of insurance holder
IHR-Dob	Date of birth of insurance holder
IHR-Address	Adress of insurance holder
IHR-Postcode	Postal code of insurance holder
IHR-City	City of insurance holder
IHR-Ins nr	Insurance number of insurance holder

9.9   Donor organ used extracts

These special extracts generate a data set, which contains information on all donors of whom at least one organ has been used in a transplant, during the given time period. The data set is center-specific.

The different extracts are:
- D_X_007 Donor Organs Transplanted
  This extract only shows donors from the own center, with transplants in the own center.
- D_X_013 Donor Organ Transplant Information
  This extract only shows donors from the own center, with transplants in the own and other centers. The other difference with X007 is the specific recipient information.

All the extracts use the same input parameters in order to generate the the data set.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
For center	Format is xxxTP
From date	Format is dd.mm.yyyy
To date	Format is dd.mm.yyyy
Unicode	Yes/ No

9.9.1 D_X_007 Donor Organs Transplanted

This extract only shows donors from the own center, with transplants in the own center.

Column header	Explanation	Notes
D-Regn	ET registration number of donor	
D-center	Registration center of donor (first 3 characters of ET center code)	
D-regdate	Registration date of donor	
D-type	Donor type: Cadaver/ Living	
D-rel	Relation of donor to recipient	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full match phenotype of donor	
T-LKi	Transplant registration number of left kidney	1*
R-LKi	Recipient ET registration number for left kidney	2*
T-RKi	Transplant registration number of right kidney	1*
R-RKi	Recipient ET registration number for right kidney	2*
T-Blki	Transplant registration number of both kidneys	1*
R-Blki	Recipient ET registration number for both kidneys	2*
T-Pa	Transplant registration number of pancreas	1*
R-Pa	Recipient ET registration number for pancreas	2*
T-Wliv	Transplant registration number of whole liver	1*
R-Wliv	Recipient ET registration number for whole liver	2*
T-LLSliv	Transplant registration number of Left lateral segment	1*
R-LLSliv	Recipient ET registration number for Left lateral segment	2*
T-ERLliv	Transplant registration number of Extended right lobe	1*
R-ERLliv	Recipient ET registration number for Extended right lobe	2*
T-LLliv	Transplant registration number of (full) Left lobe	1*
R-LLliv	Recipient ET registration number for (full) Left lobe	2*
T-RLliv	Transplant registration number of (full) Right lobe	1*
R-RLliv	Recipient ET registration number for (full) Right lobe	2*
T-He	Transplant registration number of heart	1*
R-He	Recipient ET registration number for heart	2*
T-HeLu	Transplant registration number of heart/lung	1*
R-HeLu	Recipient ET registration number for heart/lung	2*
T-LLu	Transplant registration number of left lung	1*

Column header	Explanation	Notes
R-LLu	Recipient ET registration number for left lung	2*
T-RLu	Transplant registration number of right lung	1*
R-RLu	Recipient ET registration number for right lung	2*
T-BLu	Transplant registration number of both lungs	1*
R-BLu	Recipient ET registration number for both lungs	2*

Number	Explanation of the Notes
1*	If there is no ET transplant registration number in the respective column - then there is no transplant registered for the respective organ detail.
2*	In case a recipient received a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the same recipient ET registration number will be present for the respective organ detail.

9.9.2   D_X_013   Donor Organ Transplant Information

This extract only shows donors from the own center, with transplants in the own and other centers. It also shows specific recipient information.

Column header	Explanation
D-regn	ET registration number of donor
D-center	Registration center of donor (first 3 characters of ET center code)
D-regdate	Registration date of donor
D-abo	Blood group of donor
D-sex	Sex of donor F(emale) or M(ale)
D-age	Age of donor (at time of death)
D-type	Donor type (cadaver or living or living unrelated)
R-etnr	ET registration number of recipient
R-center	Registration center of recipient (first 3 positions of ET center code)
R-abo	Blood group of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-age	Age of recipient (at time of transplant)
R-wait	Waiting time of recipient in days
R-pd	Primary disease of recipient
Txp-nr	ET registration number of transplant
T-center	Registration center of transplant (first 3 characters of ET center code)
Txp-date	Date of transplant
Txp-organ	Organ transplanted
T-seq	Organ transplanted sequence number
T-fail-date	Date of organ failure
T-fail-cause	Cause of failure of this transplant

9.10 Organ Transplants extracts

These extracts generate a data set, which contains information on all transplants performed in the requesting center during the given time period. The data sets are organ-specific.

The following extracts are available:

- K_X_002 Kidney Transplant Extract
  This extract reports all kidney transplants (kidney only or kidney combined with other organ)
- P_X_003 Pancreas Transplant Extract
  This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)
- HE_X_004 Heart Transplant Extract
  This extract reports all heart transplants (heart only or heart combined with other organ)
- LU_X_005 Lung Transplant Extract
  This extract reports all lung transplants (lung only or lung combined with other organ)
- LI_X_006 Liver Transplant Extract
  This extract reports all liver transplants (liver only or liver combined with other organ, including split and partial transplants)
- K_X_026 Tbase Kidney Transplant Extract
  This extract reports all kidney transplants (kidney only or kidney combined with other organ)
- P_X_028 Tbase Pancreas Transplant Extract
  This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

All the reports use the same input parameters. The parameters which should be entered are:

Name Parameter	Description
Separator	This is the indicator which separates the values in the rows.Default is the separator ";".
For center	Center code, XXXTP
From date	Start date of the period reported. Format is dd.mm.yyyy
To date	End date of the period reported. Format is dd.mm.yyyy
Unicode	Yes/ No

For reasons of standardization, the lay-out of all transplant data sets is the same, irrespective of the organ transplant requested. This choice had to be made due to changes of the database structure over time, and in order to allow the identification of multi-organ transplants. The description however, is per organ extract.

9.10.1 K_X_002 Kidney Transplant Extract

This extract reports all kidney transplants (kidney only or kidney combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	

Column header	Explanation	Notes
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-PDC-EDTA	Primary ET kidney disease code of recipient - Code table 1, Ki Disease	
R-Pa-pd	Primary pancreas disease of recipient - Code table 2, Pa Disease	
R-Li-pd	Primary liver disease of recipient - Code table 3, Li Disease	
R-He-pd	Primary heart disease of recipient - Code table 4, He Disease	
R-Lu-pd	Primary lung disease of recipient - Code table 5, Lu Disease	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
Lsli-seq	Left liver split transplant sequence number	1*
Rsli-seq	Right liver split transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R_Full_phenotype	Full phenotype of recipient (all antigens of HLA)	
T-LKi	Transplant registration number Left kidney	2*
T-RKi	Transplant registration number Right kidney	2*
T-Blki	Transplant registration number Both kidneys	2*
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-Lsliv	Transplant registration number Left liver split	
T-Rsliv	Transplant registration number Right liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg-nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full phenotype of donor (all antigens of HLA)	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	

Column header	Explanation	Notes
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code of recipient at time of transplant (Code table 6)	
T-wait-since	Date put on waiting list	
R-dfd	Date first dialysis of recipient	
Dialysis center	Dialysis center of recipient	
Init Immsupp 1	First initial immuno suppression (Code table 7)	
Init Immsupp 2	Second initial immuno suppression (Code table 7)	
Init Immsupp 3	Third initial immuno suppression(Code table 7)	
Init Immsupp 4	Fourth initial immuno suppression (Code table 7)	
Maint Immsupp 1	First maintenance immuno suppression (Code table 7)	
Maint Immsupp 2	Second maintenance immuno suppression (Code table 7)	
Maint Immsupp 3	Third maintenance immuno suppression (Code table 7)	
Maint Immsupp 4	Fourth maintenance immuno suppression (Code table 7)	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Diuresis first hour	Initial diuresis post transplant	
Diuresis ml	Post transplant diuresis	
Diuresis Hours	Measurement period post transplant diuresis	
Rest Diuresis	Pre transplant diuresis	
Rest Diuresis Hours	Measurement period post transplant diuresis	
R-Ki-PDC-ICD10	Primary ICD10 kidney disease code of recipient - Code table 1B, Ki Disease	
mm-A	Number of mismatches of A antigens	
mm-B	Number of mismatches of B antigens	
mm-DR	Number of mismatches of DR antigens	
R-PA-PDC-ICD10	Primary ICD10 pancreas disease code of recipient - Code table 2B, PA Disease	
R-LI-PDC-ICD10	Primary ICD10 liver disease code of recipient - Code table 3B, LI Disease	
R-HEi-PDC-ICD10	Primary ICD10 heart disease code of recipient - Code table 4B, HE Disease	
R-LU-PDC-ICD10	Primary ICD10 lung disease code of recipient - Code table 5B, Lu Disease	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the K_X_002 report, one of the columns T-LKI, T-RKi, or T-Blki will most often be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the

	same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.2 P_X_003 Pancreas Transplant Extract

This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient - Code table 1A, Ki Disease	
R-Pa-pdc-et	Primary ET pancreas disease of recipient - Code table 2A, Pa Disease	
R-Li-pdc-etlr	Primary ET liver disease of recipient - Code table 3B, Li Disease	
R-He-pdc-et	Primary ET heart disease of recipient - Code table 4A, He Disease	
R-Lu-pdc-et	Primary ET lung disease of recipient - Code table 5A, Lu Disease	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R_Full_phenotype	Full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	2*
T-Wliv	Transplant registration number Whole liver	

Column header	Explanation	Notes
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression (Code table 7)	
Init Immsupp 2	Second initial immuno suppression (Code table 7)	
Init Immsupp 3	Third initial immuno suppression (Code table 7)	
Init Immsupp 4	Fourth initial immuno suppression (Code table 7)	
Maint Immsupp 1	First maintenance immuno suppression (Code table 7)	
Maint Immsupp 2	Second maintenance immuno suppression (Code table 7)	
Maint Immsupp 3	Third maintenance immuno suppression (Code table 7)	
Maint Immsupp 4	Fourth maintenance immuno suppression (Code table 7)	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or pancreas after transplantation	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table1B, ki Disease	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table 2B, pa Disease	

Column header	Explanation	Notes
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient - Code table 3C, LI Disease	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient - Code table 4B , HE Disease	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient - Code table 5B , Lu Disease	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant registered in the ET computer system, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the P_X_003 report (Pancreas), the column T-Pa will be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.3 HE_X_004 Heart Transplant Extract

This extract reports all heart transplants (heart only or heart combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient - Code table 1A, Ki Disease	
R-Pa-pdc-et	Primary ET pancreas disease of recipient - Code table 2A, Pa Disease	
R-Li-pdc-etlr	Primary ET liver disease of recipient - Code table 3B Li Disease	
R-He-pdc-et	Primary ET heart disease of recipient - Code table 4A, He Disease	
R-Lu-pdc-et	Primary ET lung disease of recipient - Code table 5A, Lu Disease	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*

Column header	Explanation	Notes
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	2*
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression (Code table 7)	
Init Immsupp 2	Second initial immuno suppression (Code table 7)	
Init Immsupp 3	Third initial immuno suppression (Code table 7)	
Init Immsupp 4	Fourth initial immuno suppression (Code table 7)	
Maint Immsupp 1	First maintenance immuno suppression (Code table 7)	

Column header	Explanation	Notes
Maint Immsupp 2	Second maintenance immuno suppression (Code table 7)	
Maint Immsupp 3	Third maintenance immuno suppression (Code table 7)	
Maint Immsupp 4	Fourth maintenance immuno suppression (Code table 7)	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or heart after transplantation	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table 1B, ki Disease	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table 2B, pa Disease	
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient - Code table 3C, LI Disease	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient - Code table 4B, HE Disease	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient - Code table 5B, Lu Disease	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the HE_X_004 report (Heart), the column T-He will be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.4 LU_X_005 Lung Transplant Extract

This extract reports all lung transplants (lung only or lung combined with other organ)

Column header	Explanation	Notes
T-date	Date of transplantation	
T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pdc-edta	Primary ET kidney disease of recipient - Code table 1A, Ki Disease	
R-Pa-pdc-et	Primary ET pancreas disease of recipient - Code table 2A, Pa Disease	
R-Li-pdc-etlr	Primary ET liver disease of recipient - Code table 3 B, Li Disease	

R-He-pdc-et	Primary ET heart disease of recipient - Code table 4A, He Disease	
R-Lu-pdc-et	Primary ET lung disease of recipient - Code table 5A, Lu Disease	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
WLi-seq	Whole liver transplant sequence number	1*
LLSli-seq	Left lateral segment split liver transplant sequence number	1*
ERLli-seq	Extended right lobe split liver transplant sequence number	1*
LLli-seq	Left lobe split liver transplant sequence number	1*
RLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	
T-LLSliv	Transplant registration number Left lateral segment liver split	
T-ERLliv	Transplant registration number Extended right lobe liver split	
T-LLliv	Transplant registration number Left lobe liver split	
T-RLliv	Transplant registration number Right lobe liver split	
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	
T-LLu	Transplant registration number Left lung	2*
T-RLu	Transplant registration number Right lung	2*
T-BLu	Transplant registration number Both lungs	2*
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	

R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression (Code table 7)	
Init Immsupp 2	Second initial immuno suppression (Code table 7)	
Init Immsupp 3	Third initial immuno suppression (Code table 7)	
Init Immsupp 4	Fourth initial immuno suppression (Code table 7)	
Maint Immsupp 1	First maintenance immuno suppression (Code table 7)	
Maint Immsupp 2	Second maintenance immuno suppression (Code table 7)	
Maint Immsupp 3	Third maintenance immuno suppression (Code table 7)	
Maint Immsupp 4	Fourth maintenance immuno suppression (Code table 7)	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
R-ki-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table 1B, ki Disease	
R-pa-pdc-icd10	Primary ICD10 pancreas disease code of recipient - Code table 2B, pa Disease	
R-li- pdc-icd10	Primary ICD10 liver disease code of recipient - Code table 3C, LI Disease	
R-he- pdc-icd10	Primary ICD10 heart disease code of recipient - Code table 4B, HE Disease	
R-lu- pdc-icd10	Primary ICD10 lung disease code of recipient - Code table 5B, Lu Disease	
Current LAS score	LAS score currently used in match	
LAS primary disease	Primary disease entered in LAS request	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.
2*	In the LU_X_005 report (Lungs), one of the columns T-LLu, T-RLu or T-BLu will most often be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.5 LI_X_006 Liver Transplant Extract

This extract reports all liver transplants (liver only or liver combined with other organ, including split and partial transplants)

Column header	Explanation	Notes
T-date	Date of transplantation	

T-CENTER	Transplant center first 3 positions of ET center code	
R-etnr	ET registration number of recipient	
R-name	Last name of recipient	
R-surnm	First name of recipient	
R-sex	Sex of recipient F(emale) or M(ale)	
R-dob	Date of birth of recipient	
R-abo	Blood group of recipient	
R-Ki-pd	Primary ET kidney disease of recipient - Code table 1A, Ki Disease	
R-Pa-pd	Primary ET pancreas disease of recipient - Code table 2A, Pa Disease	
R-Li-pd	Primary ET liver disease of recipient - Code table 3B, Li Disease	
R-He-pd	Primary ET heart disease of recipient - Code table 4A, He Disease	
R-Lu-pd	Primary ET lung disease of recipient - Code table 5A, Lu Disease	
LKi-seq	Left Kidney transplant sequence number	1*
RKi-seq	Right Kidney transplant sequence number	1*
BlKi-seq	Kidney en block transplant sequence number	1*
Pa-seq	Pancreas transplant sequence number	1*
Wli-seq	Whole liver transplant sequence number	1*
LSplitLl-seq	Left split liver transplant sequence number	1*
RSplitLi-seq	Right split liver transplant sequence number	1*
LLSLi-seq	Left lateral segment split liver transplant sequence number	1*
ERLLi-seq	Extended right lobe split liver transplant sequence number	1*
LLLi-seq	Left lobe split liver transplant sequence number	1*
RLLi-seq	Right lobe split liver transplant sequence number	1*
He-seq	Heart transplant sequence number	1*
HeLu-seq	Heart Lungs transplant sequence number	1*
LLu-seq	Left lung transplant sequence number	1*
RLu-seq	Right lung transplant sequence number	1*
BLu-seq	Both lungs transplant sequence number	1*
R Pheno	Full match phenotype of recipient	
T-LKi	Transplant registration number Left kidney	
T-RKi	Transplant registration number Right kidney	
T-Blki	Transplant registration number Both kidneys	
T-Pa	Transplant registration number Pancreas	
T-Wliv	Transplant registration number Whole liver	2*
T-LSplitLiv	Transplant registration number Left liver split	2*
T-RSplitLiv	Transplant registration number Right liver split	2*
T-LLSliv	Transplant registration number Left lateral segment liver split	2*
T-ERLliv	Transplant registration number Extended right lobe liver split	2*
T-LLliv	Transplant registration number Left lobe liver split	2*
T-RLliv	Transplant registration number Right lobe liver split	2*
T-He	Transplant registration number Heart	
T-HeLu	Transplant registration number Heart Lungs	

T-LLu	Transplant registration number Left lung	
T-RLu	Transplant registration number Right lung	
T-BLu	Transplant registration number Both lungs	
D-reg nr	ET registration number of donor	
D-type	Donor type C(adaveric) or L(iving)	
D-rel	Relation of donor to recipient	
D-age	Age of donor	
D-abo	Blood group of donor	
D-sex	Sex of donor F(emale) or M(ale)	
D-cod	Cause of death of donor	
D-weight	Weight of donor	
D-height	Height of donor	
D-pheno	Full match phenotype of donor	
T-dls	Date last seen after transplantation	
T-fd	Failure date of graft	
T-fc	Fail cause of graft	
R-dd	Death of date of recipient	
R-dc	Cause of death of recipient	
R-weight	Weight of recipient	
R-height	Height of recipient	
T-urg-at	Urgency code at transplant registration of recipient	
T-wait-since	Date put on waiting list of recipient	
Init Immsupp 1	First initial immuno suppression (Code table 7)	
Init Immsupp 2	Second initial immuno suppression (Code table 7)	
Init Immsupp 3	Third initial immuno suppression (Code table 7)	
Init Immsupp 4	Fourth initial immuno suppression (Code table 7)	
Maint Immsupp 1	First maintenance immuno suppression (Code table 7)	
Maint Immsupp 2	Second maintenance immuno suppression (Code table 7)	
Maint Immsupp 3	Third maintenance immuno suppression (Code table 7)	
Maint Immsupp 4	Fourth maintenance immuno suppression (Code table 7)	
Cold ischemic period hours	Cold ischemic period: total number of hours	
Cold ischemic period minutes	Cold ischemic period: additional number of minutes	
Warm ischemic period 2	Anastomosis time (In minutes)	
Immediate Performance	Immediate performance or liver after transplantation	
Lab MELD	MELD based on Lab values	
Exc MELD	Exceptional MELD score	
Ped MELD	Pediatric MELD score	

Number	Explanation of the Notes
1*	The sequence number for this transplant organ. Thus, if a transplant registration is the first such transplant *registered in the ET computer system*, then the value is 1; if it is the second, then the value is 2; etc.

2*	In the LI_X_006 report (Liver), one of the columns T-Wliv, T-Lsliv or T-Rsliv will most often be filled. In case the recipient had a multi-organ transplant, i.e. more than one organ from the same donor during the same transplant procedure, then the corresponding columns will contain a transplant registration nr.

9.10.6 K_X_026 Tbase Kidney Transplant Extract

This extract reports all kidney transplants (kidney only or kidney combined with other organ)

Column header	Explanation
T-date	Date of transplantation
T-CENTER	Transplant center first 3 positions of ET center code
R-etnr	ET registration number of recipient
R-name	Last name of recipient
R-surnm	First name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-abo	Blood group of recipient
R-Ki-pd	Primary ET kidney disease of recipient - Code table 1A, Ki Disease
R-Pa-pd	Primary ET pancreas disease of recipient - Code table 2B, Pa Disease
R Pheno	Full match phenotype of recipient
T-LKi	Transplant registration number Left kidney
T-RKi	Transplant registration number Right kidney
T-Blki	Transplant registration number Both kidneys
T-Pa	Transplant registration number Pancreas
D-reg nr	ET registration number of donor
D-type	Donor type C(adaveric) or L(iving)
D-rel	Relation of donor to recipient
D-age	Age of donor
D-abo	Blood group of donor
D-rh	Rhesus of donor
D-sex	Sex of donor F(emale) or M(ale)
D-cod	Cause of death of donor
D-weight	Weight of donor
D-height	Height of donor
D-pheno	Full match phenotype of donor
T-fd	Failure date of graft
T-fc	Fail cause of graft
R-dd	Death of date of recipient
R-dc	Cause of death of recipient
R-weight	Weight of recipient
R-height	Height of recipient
T-urg-at	Urgency code at transplant registration of recipient
R-dfd	Date of first dialysis
mm-A	Number of mismatches of A antigens
mm-B	Number of mismatches of B antigens

mm-DR	Number of mismatches of DR antigens

9.10.7 P_X_028 Tbase Pancreas Transplant Extract

This extract reports all pancreas transplants (pancreas only or pancreas combined with other organ)

Column header	Explanation
T-date	Date of transplantation
T-CENTER	Transplant center first 3 positions of ET center code
R-etnr	ET registration number of recipient
R-name	Last name of recipient
R-surnm	First name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-abo	Blood group of recipient
R-Ki-pd	Primary ET kidney disease of recipient - Code table 1A, Ki Disease
R-Pa-pd	Primary ET pancreas disease of recipient - Code table 2A, Pa Disease
R Pheno	Full match phenotype of recipient
T-LKi	Transplant registration number Left kidney
T-RKi	Transplant registration number Right kidney
T-Blki	Transplant registration number Both kidneys
T-Pa	Transplant registration number Pancreas
D-reg nr	ET registration number of donor
D-type	Donor type C(adaveric) or L(iving)
D-rel	Relation of donor to recipient
D-age	Age of donor
D-abo	Blood group of donor
D-rh	Rhesus of donor
D-sex	Sex of donor F(emale) or M(ale)
D-cod	Cause of death of donor
D-weight	Weight of donor
D-height	Height of donor
D-pheno	Full match phenotype of donor
T-fd	Failure date of graft
T-fc	Fail cause of graft
R-dd	Death of date of recipient
R-dc	Cause of death of recipient
R-weight	Weight of recipient
R-height	Height of recipient
T-urg-at	Urgency code at transplant registration of recipient

9.10.8 T_X_024   Transplants with Insurance Data - Extract

This extract generates a data set, which contains information on all transplants performed in the requesting center during the given time period, including the insurance data of the

transplanted recipients.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
From date	Start date of the period reported. Format is dd.mm.yyyy
To date	End date of the period reported. Format is dd.mm.yyyy
Center(s)	Default is ALL, which means all transplants from the centers the userhas authorization to see are shown.*
Organ	ALL, Ki, Pa, He, Lu or Liv
Donor type	C(adaver), L(iving) or ALL
Unicode	Yes/No

* If the center to do name begins with G the column header for the insurance company is filled with VK-nr, otherwise it is filled with R-ins-comp

Column header	Description
R-etnr	ET registration number of recipient
R-name	Name of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-dob	Date of birth of recipient
R-center	Registration center of recipient
Txp-date	Date of transplantation
Txp-nr(s)	Transplant number(s) *
Txp-organ(s)	Transplanted organ(s) *
D-type	Type of donor C(adaver) of L(iving)
D-reg nr	ET registration number of donor
D-center	Registration center of donor
D-rel	Relation of donor to recipient
Txp remark	Transplant remarks
R-address	Recipient address of recipient
R-pcod	Recipient postcode of recipient
R-city	Recipient city of recipient
R-ins type	Type of insurance of recipient
R-ins-comp	Code of insurance company of recipient
R-ins no	Insurance number of recipient
IHR-name	Name of insurance holder
IHR-surname	Surname of insurance holder
IHR-sex	Sex of insurance holder F(emale) or M(ale)
IHR-dob	Date of birth of insurance holder
IHR-address	Address of insurance holder
IHR-pcod	Postcode of insurance holder
IHR-city	City of insurance holder
IHR-ins no	Insurance number of insurance holder

* Multiple transplants are separated by '/'

9.11 Recipient Questionnaire Extracts

9.11.1 HE_X_030   Recipient Questionnaire - Extract

This special report generates a data set, which contains information on the transplant

candidates who are on the heart waiting list.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Questionnaire code	FWLHE. *
Registration from date	Start date of the period reported (Registration date of recipient). Format is dd.mm.yyyy
Registration to date	End date of the period reported(Registration date of recipient) Format is dd.mm.yyyy
ET nr.	Possibility to run extract for a single recipient via ET Nr. Enter "ALL" for all recipients
Recipient name	Possibility to run extract for a single recipient via name. Enter "ALL" for all recipients
Date of birth after	Posibility to make selection on date of birth
Date of birth before	Posibility to make selection on date of birth
Date of death before	Posibility to make selection on date of death
Date of death after	Posibility to make selection on date of death
Sex	M/F/ALL, possibility to make selection on sex of recipients
Center code	Default is ALL, which means all transplants from the centers the user has authorization to see are shown.
Unicode	Yes/No

* Please select this option for this extract; the other options refer to non available questinonniares.

Column header	Explanation
Recipient ETnr	ET registration number of recipient
Registration Center	Registration center of recipient
Data collected on	Date of results
Date on waiting list	Date put on waiting list
NYHA	New York Heart Association code: I-IV
RRSYST	Systolic arterial pressure
Unit	Unit of systolic arterial pressure (mmHg)
RRDIAST	Diastolic arterial pressure
Unit	Unit of diastolic arterial pressure (mmHg)
VENT	Ventilation (artificial respiration) Yes/No
HEMOFILT	Hemofiltration Yes/No
DIAL	Dialysis Yes/No
DM	Diabetes Mellitus Yes/No
IDDM	Insulin Dependant Diabetes Mellitus Yes/No
APOPLEX	Apoplex Yes/No
PAOD	Periferal Arterial Disease Yes/No
STAY	Whereabout of recipient: Home, Intensive Care or Ward
HOSPD	Duration of hospitalisation
Unit	Unit of duration of hospitalisation in days
SMOKING	Smoking in packyears (Nicotine packyears)
RHYTHM	Cardiac rhythm
HBFREQ	Heart beat frequency
Unit	Unit of heart beat frequency (minutes)

Column header	Explanation
QRS>0.12 sec	QRS wave long Yes/No
LBBB	Left Buncel Branch Block Yes/No
SVT	Sustained Ventricular Tachycardia >30 sec Yes/No
AICD	Automatic Implantable Cardioverter Defibrillator Yes/No
SHOCKXS	More then 10 shocks per month Yes/No
CMNT	Comment on shocks
SODIUM	Sodium concentration
Unit	Unit of sodium concentration (mmol/l)
CREAT	Creatinine concentration
Unit	Unit of creatinine concentration (mg/dl or umol/l)
BILI	Bilirubine concentration
Unit	Unit of bilirubine concentration (mg/dl or umol/l)
BNP	Brain Natriuretic Peptide
Unit	Unit of Brain Natriuretic Peptide (pg/ml)
NORADR	Noradrenalin
Unit	Unit of Noradrenalin (pg/ml)
PRA	Panel Reactive Antibodies
Unit	Unit of PRA (percentage)
EJFRACLV	Left ventricular ejection fraction
Unit	Unit of left ventricular ejection fraction (percentage)
LVEDD	Left Ventricular End Diastolic Diameter
Unit	Unit of Left Ventricular End Diastolic Diameter (mm)
LVESD	Left Ventricular End Systolic Diameter
Unit	Unit of Left Ventricular End Systolic Diameter (mm)
FS	Fractional shortening
Unit	Unit of fractional shortening (percentage)
MVI	Mitral Valve Regurgitation Yes/No
LVEDP	Left Ventricular End Diastolic Pressure
Unit	Unit of Left Ventricular End Diastolic Pressure (mmHg)
PAM	Mean Pulmonal Artery Pressure
Unit	Unit of Mean Pulmonal Artery Pressure (mmHg)
PCWP	Pulmonal Capillary Wedge Pressure
Unit	Unit of Pulmonal Capillary Wedge Pressure (mmHg)
CVP	Central Venous Pressure
Unit	Unit of Central Venous Pressure (mmHg or cm H2O)
CARDIX	Cardiac Index
Unit	Unit of Cardiac Index ((l/min)m2)
SVR	Systemic Vascular Resistance
Unit	Unit of Systemic Vascular Resistance (dynes sec/cm5)
PVR	Pulmonary Vascular Resistance
Unit	Unit of Pulmonary Vascular Resistance (dynes sec/cm5)
SVO2	Mixed venous saturation
Unit	Unit of Mixed venous saturation (percentage)
PAO2	Partial arterial oxygen pressure
Unit	Unit of partial arterial oxygen pressure (kPa or mmHg)
MAXOX	Maximum Oxygen uptake

Column header	Explanation
Unit	Unit of Maximum Oxygen uptake ((ml/min)Kg)
CATHECH	Catecholamine Yes/No
ACE INH	ACE inhibitor or AT I blocker Yes/No
BBLOCK	Beta Blocker Yes/No
ALDOSTA	Aldosterone Antagonist Yes/No
DIURETICS	Diuretics Yes/No
DIGITALIS	Digitalis Yes/No
ANTIAR	Antiarhythmics Yes/No
ANTIC	Anticoagulation drugs Yes/No
PREVSUR	Previous surgery Yes/No
PREVSURCMT	Previous surgery comment
IABP	Intra Aortic Balloon Pump Yes/No
ECMO	Extra Corporal Membrane Oxygenation Yes/No
VAD	Ventricular Assist Device Yes/No
VADDATE	Date of implantation of VAD
VADT	VAD Type
VADBRAND	VAD Brand

9.12 NOTR Extracts (Dutch centers only)

NOTR Extracts generate a data set, which contains information on all transplants performed in the requesting center during the given time period. The data sets are organ-specific and only available for Dutch transplant centers. The following extracts are available:

- LI_X_1   NOTR Liver Recipient - Extract
  This extract reports recipient details from all liver transplants (liver only or combined with other organ (kidney only or kidney combined with other organ)
- LI_X_2   NOTR Liver Donor - Extract
  This extract reports donor details from all liver transplants (liver only or combined with other organ)
- LI_X_3   NOTR Liver Transplant - Extract
  This extract reports transplant and initial follow-up details from liver transplants (liver only or combined with other organ)
- LI_X_4   NOTR Liver Follow Up - Extract
  This extract reports follow-up details from all liver transplants (liver only or combined with other organ).
- P_X_5   NOTR Pancreas Recipient - Extract
  This extract reports recipient details from all pancreas transplants (pancreas only or combined with other organ)
- P_X_6   NOTR Pancreas Donor - Extract
  This extract reports donor details from all pancreas transplants, (pancreas only or combined with other organ)
  P_X_7   NOTR Pancreas Transplant - Extract
  This extract reports transplant and initial follow-up details from all pancreas transplants (pancreas only or combined with other organ)
  P_X_8   NOTR Pancreas Follow Up - Extract

This extract reports follow-up details from all pancreas transplants (pancreas only or combined wtith other organ)

- HL_X_9 NOTR Thoracic Recipient - Extract

  This extract reports recipient details from all thoracic transplants (thoracic organ only or combined with other organ)

  HL_X_10 NOTR Thoracic Donor - Extract

  This extract reports donor details from all thoracic transplants(thoracic organ only or combined with other organ)

  HL_X_11 NOTR Thoracic Transplant - Extract

  This extract reports transplant and initial follow-up details from all thoracic transplants (thoracic organ only or combined with other organ)

  HL_X_12 NOTR Thoracic Follow Up - Extract

  This extract reports follow-up details from all thoracic transplants (thoracic organ only or combined with other organ)

  K_X_020 NOTR Kidney Recipient - Extract

  This extract reports recipient details from all kidney transplants (kidney only or combined with other organ)

- K_X_021 NOTR Kidney Donor - Extract

  This extract reports donor details from all kidney transplants(kidney only or combined with other organ)

  K_X_022 NOTR Kidney Transplant - Extract

  This extract reports transplant and initial follow-up details from all kidney transplants (kidney only or combined with other organ)

  K_X_023 NOTR Kidney Follow Up - Extract

  This extract reports follow-up details from all kidney transplants (kidney only or combined with other organ)

The parameters for all NOTR extracts are the same. The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
From center	Center in format XXXTP
From date	Start date of the period reported. Format is dd.mm.yyyy
To date	End date of the period reported. Format is dd.mm.yyyy
Unicode	Yes/No

For reasons of standardization, the lay-out of all transplant data sets is the same, irrespective of the organ transplant requested. This choice had to be made due to changes of the database structure over time, and in order to allow the identification of multi-organ transplants. However, the extracts are described per organ and per extract.

9.12.1 LI_X_1 NOTR Liver Recipient - Extract

The data extract contains the following data items concerning recipients in the selected transplants:

Column header	Meaning
R-Etnr	ET registration number of recipient
R-Last-name	Last name of recipient

R-First-name	First name of recipient
R-address-1	Address of recipient (line 1)
R-address-2	Address of recipient (line 2)
R-city	City of recipient (from address)
R-postcode	Postal code of recipient (from address)
R-country-code	Country code of recipient (from address, numeric code of country)
R-country-text	Country of recipient (from address, text translation of code)
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-abo	Blood group of recipient
R-rhesus	Rhesus factor of recipient
R-full-match-pheno	Full match phenotype of recipient
R-cod-eltr-code	Cause of death code of recipient (eltr code, numeric code)
R-cod-eltr-text	Cause of death text of recipient (eltr code, text translation of code)
R-dod	Date of death of recipient
R-cod-code	Cause of death code of recipient (numeric code)
R-cod-text	Cause of death text of recipient (text translation of code)
R-cod-comm	Specification of the cause of death, if the cause of death is 'Other'

9.12.2 LI_X_2   NOTR Liver Donor – Extract

The data extract contains the following data items concerning donors in the selected transplants:

Column header	Meaning
D-Etnr	ET registration number of donor
D-full-match-pheno	Full match pheno type of donor
D-age	Age of donor at time of transplant
D-sex	Sex of donor F(emale) or M(ale)
D-abo	Blood group of donor
D-rhesus	Resus factor of donor
D-weight	Weight of donor in kg
D-height	Height of donor in cm
D_HbsAg	HbsAg status of donor
D_HCVAb	HCVAb status of donor
D_CMVigG	CMVIgG status of donor
D_HIVAb	HIVAb status of donor
D-type-code	Type of donor code (numeric code)
D-type-text	Type of donor text (text translation of code)
D-relation-code	Relation of donor to recipient code (numeric code)
D-relation-text	Relation of donor to recipient text(text translation of code)
D-cod-code-ET	Cause of death code of donor (numeric code ET)
D-cod-text	Cause of death text of donor (text translation of code)
D-cod-comm	Specification of the cause of death if the cause of death is 'Other'

D-cod-code-ICD	Cause of death code of donor (numeric code ICD10)

9.12.3 LI_X_3NOTR Liver Transplant - Extract

The data extract contains the following data items concerning the selected transplants:

Column header	Meaning
T-Date	Date of transplant
T-Center	Transplant center
T-Etnr	ET registration number of transplant
R-Etnr	ET registration number of recipient
D-etnr	ET registration number of donor
Gfaildat	Date of graft failure
Gfailcod	Code of graft failure (numeric code)
Gfailcau	Cause of graft failure (text translation of code)
Gfailcom	Specification of graft fail cause, if the cause is 'Other'
CIPM	The cold ischaemic period of the graft (min).This is the time between perfusion from donor and placement in recipient (out of the ice) Numeric
WIP1	First warm ischaemic period (min)
WIP2	Second warm ischaemic period (min). This is the time between placement in recipient (out of the ice) and recirculation.
IP	The total ischaemic period (cold and second warm ischaemic period)
T-Organ	Organ transplanted
T-Organ-detail	Organ detail
T-Simul	All organs simultaneous transplanted (i.e same recipient and donor)
mm-A	A locus - broad mismatches
mm-B	B locus - broad mismatches
mm-DR	DR locus – broad mismatches
R-HbsAG	HbsAg status of recipient
R-HCVAb	HCVAb status of recipient
R-CMVIgG	CMVIgG status of recipient
R-HIVAb	HIVAb status of recipient
H-Pra-per	Highest Pra percentage of recipient at time of transplant
H-Pra-date	Date of highest Pra of recipient (at time of transplant)
C-Pra-per	Current Pra of recipient (at time of transplant)
C-Pra-date	Date of current Pra of recipient (at transplant)
Ab-spec	Cumulative AB specificity
Accept-ab	Acceptable antigens
Unaccept-ab	Unacceptable antigens maximum length of 125 positions
Unacc-complete	Indicator if Unaccept-ab is complete (Yes - if length of Unaccept-ab is less then or equal 125.No - if length of Unacceptable -ab greater then 125 in which the first 125 positions are reported)
Height	Height in cm of recipient
weight	Weight in kg of recipient
nr of hospitalisation days	Number of hospitalisation days before transplantation (after date put on waitinglist)

Column header	Meaning
nr of outrecipient visits	Number of outrecipient visits before transplantation (after date put on waitinglist)
Initial immun 1 code	First initial immunosuppression code (numeric code)
Initial immun 1 text	First initial immunosuppression text (text translation of code)
Initial immun 1 comment	Specification in case of first immunosuppression 'other'
Initial immun 2 code	Second initial immunosuppression code (numeric code)
Initial immun 2 text	Second initial immunosuppression text (text translation of code)
Initial immun 2 comment	Specification in case of second immunosuppression 'other'
Initial immun 3 code	Third initial immunosuppression code (numeric code)
Initial immune 3 text	Third initial immunosuppression text (text translation of code)
Initial immun 3 comment	Specification in case of third immunosuppression 'other'
Initial immune 4 code	Fourth initial immunosuppression code (numeric code)
Initial immune 4 text	Fourth initial immunosuppression text (text translation of code)
Initial immun 4 comment	Specification in case of fourth immunosuppression 'other'
Initial immune 5 code	Fifth initial immunosuppression code (numeric code)
Initial immune 5 text	Fifth initial immunosuppression text (text translation of code)
Initial immun 5 comment	Specification in case of fifth immunosuppression 'other'
Rec_lost	Is the recipient lost to follow-up (Yes / No / Unknown)
BM	Associated bone marrow transplant (Yes / No)
BMdate	The date of the associated bone marrow transplant
OT	Associated transplant other than heart, lung, kidney, pancreas, pancreatic islets, cluster, or small bowel (Yes / No)
Liv_type	Indication of whether the liver is transplanted entirely (whole) or otherwise (reduced or split)
Segments	Which segments of the liver were transplanted (if not entirely)?
Bypass	The type of bypass that was applied
Impsite	The implantation site of the liver
Liv_function	Indication of whether the implanted liver coexists with the previous liver (auxiliary/non-auxiliary)
Indication	Pathology of the explanted liver
Disease 1	Primary hepatic disease leading to transplantation (ELTR disease coding)
Disease 2	Second hepatic disease leading to transplantation (ELTR disease coding)
HbsAg	The viral HbsAg status of the recipient at the time of transplant (P(+) /N(-))
HBVDNA	The viral HBV DNA status of the recipient at the time of transplant (P(+) /N(-))
Bdelta	The viral anti Delta status of the recipient at the time of transplant (P(+) /N(-))
AntiHCV	The viral anti HCV status of the recipient at the time of transplant (P(+) /N(-))
Domino	Indication whether the type of donor used for the transplant was a living unrelated domino donor (Yes / No / Unknown)

9.12.4 LI_X_4 NOTR Liver Follow Up – Extract

The data extract contains the following data items concerning the selected follow-up events.

Column header	Meaning
R-Etnr	ET registration number of recipient
T-Etnr	ET registration number of transplant
T-date	Date of transplant
F-date	Follow-up date (date seen)
T-center	Transplant center
F-center	Follow up center
Pregnancies	Pregnancies in follow-up period (Yes / No / Unknown)
Children born	Children born in follow-up period (Yes / No)
Height	Height of recipient in cm
Weight	Weight of recipient in kg
Immun 1 code	First immunosuppression code (numeric code)
Immun 1 text	First immunosuppression text (text translation of code)
Immun 1 comment	Specification in case of immunosuppression 'other'
Immun 2 code	Second immunosuppression code (numeric code)
Immun 2 text	Second immunosuppression text (text translation of code)
Immun 2 comment	Specification in case of immunosuppression 'other'
Immun 3 code	Third immunosuppression code (numeric code)
Immun 3 text	Third immunosuppression text (text translation of code)
Immun 3 comment	Specification in case of immunosuppression 'other'
Immun 4 code	Fourth immunosuppression code (numeric code)
Immun 4 text	Fourth immunosuppression text (text translation of code)
Immun 4 omment	Specification in case of mmunosuppression 'other'
Immun 5 code	Fifth immunosuppression code (numeric code)
Immun 5 text	Fifth immunosuppression text (text translation of code)
Immun 5 comment	Specification in case of immunosuppression 'other'
Reject	Did the recipient receive rejection treatments during the last follow- up period? Yes / No / Unknown
IS_change	Has the immunosuppressive regimen changed during the last follow up period? Yes / No / Unknown
Chreason	The reason why the immunosuppressive regimen has changed
Malignancies	Malignancies diagnosed? Yes / No / Unknown
Malign 1 diagdate	The date on which the first malignancy was diagnosed
Malign 1 code	First malignancy code (numeric code)
Malign 1 text	First malignancy text (text translation of code)
Malign 1 comment	Specification of first malignancy 'other'
Malign 2 diagdate	The date on which the second malignancy was diagnosed
Malign 2 code	Second malignancy code (numeric code)
Malign 2 text	Second malignancy text (text translation of code)
Malign 2 comment	Specification of second malignancy 'other'
Creatinine conc.	Creatinine concentration
Unit creatinine	Unit of creatinine concentration (umol / l)
Nr of hospitalisation days	Number of hospitalisation days in follow-up period
Nr of outrecipient visits	Number of outrecipient visits in follow-up period

9.12.5 P_X_5   NOTR Pancreas Recipient – Extract

The data extract contains the following data items concerning recipients in the selected transplants:

Column header	Meaning
R-Etnr	ET registration number of recipient
R-Last-name	Last name of recipient
R-First-name	First name of recipient
R-address-1	Address of recipient (line 1)
R-address-2	Address of recipient (line 2)
R-city	City of recipient (from address)
R-postcode	Postal code of recipient (from address)
R-country-code	Country code of recipient (from address, numeric code of country)
R-country-text	Country of recipient (from address, text translation of code)
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-abo	Blood group of recipient
R-rhesus	Rhesus factor of recipient
R-full-match-pheno	Full match phenotype of recipient
R-dod	Recipient date of death
R-cod-code	Cause of death code of recipient (numeric code)
R-cod-text	Cause of death text of recipient (text translation of code)
R-cod-comm	Recipient specification of the cause of death if the cause of death is 'Other'

9.12.6 P_X_6   NOTR Pancreas Donor - Extract

The data extract contains the following data items concerning donors in the selected transplants:

Column header	Meaning
D-Etnr	ET registration number of donor
D-full-match-pheno	Full match pheno type of donor
D-age	Age of donor at time of transplant
D-sex	Sex of donor F(emale) or M(ale)
D-abo	Blood group of donor
D-rhesus	Resus factor of donor
D-weight	Weight of donor in kg
D-height	Length of donor in cm
D_HbsAg	HbsAg status of donor
D_HCVAb	HCVAb status of donor
D_CMVigG	CMVIgG status of donor
D_HIVAb	HIVAb status of donor
D-type-code	Type of donor code (numeric code)

D-type-text	Type of donor text (text translation of code)
D-relation-code	Relation of donor to recipient code (numeric code)
D-relation-text	Relation of donor to recipient text(text translation of code)
D-cod-code-ET	Cause of death code of donor (numeric code ET)
D-cod-text	Cause of death text of donor (text translation of code)
D-cod-comm	Specification of the cause of death if the cause of death is 'Other'
D-cod-code-ICD	Cause of death code of donor (numeric code ICD10)

9.12.7 P_X_7   NOTR Pancreas Transplant - Extract

The data extract contains the following data items concerning the selected transplants:

Column header	Meaning
T-Date	Date of transplant
T-Center	Transplant center
T-Etnr	ET registration number of transplant
R-Etnr	ET registration number of recipient
D-etnr	ET registration number of donor
Gfaildat	Date of graft failure
Gfailcod	Code of graft failure (numeric code)
Gfailcau	Cause of graft failure (text translation of code)
Gfailcom	Specification of graft fail cause, if the cause is 'Other'
CIPM	The cold ischaemic period of the graft (min).This is the time between perfusion from donor and placement in recipient (out of the ice)
WIP1	First warm ischaemic period (min)
WIP2	Second warm ischaemic period (min). This is the time between placement in recipient (out of the ice) and recirculation.
IP	The total ischaemic period (cold and second warm ischaemic period)
T-Organ	Organ transplanted
T-Organ-detail	Organ detail
T-Simul	All organs simultaneous transplanted (i.e same recipient and donor)
mm-A	A locus - broad mismatches
mm-B	B locus - broad mismatches
mm-DR	DR locus – broad mismatches
R-HbsAG	HbsAg status of recipient
R-HCVAb	HCVAb status of recipient
R-CMVIgG	CMVIgG status of recipient
R-HIVAb	HIVAb status of recipient
H-Pra-per	Highest Pra percentage of recipient at time of transplant
H-Pra-date	Date of highest Pra of recipient (at time of transplant)
C-Pra-per	Current Pra of recipient (at time of transplant)
C-Pra-date	Date of current Pra of recipient (at transplant)
Ab-spec	Cumulative AB specificity
Accept-ab	Acceptable antigens
Unaccept-ab	Unacceptable antigens maximum length of 125 positions
Unacc-complete	Indicator if Unaccept-ab is complete (Yes - if length of Unaccept-ab is

Column header	Meaning
	less then or equal 125.No - if length of Unacceptable -ab greater then 125 in which the first 125 positions are reported)
Height	Length in cm of recipient
weight	Weight in kg of recipient
AssKltxp	Indication whether + when there was an associated kidney transplant: SPKT (combined pancreas and kidney transplant), PAKT (pancreas transplant after kidney transplant), PTA (pancreas only transplant
Nr of pregnancies	Number of pregnancies before transplantation
nr of hospitalisation days	Number of hospitalisation days before transplantation (after date put on waitinglist)
nr of outrecipient visits	Number of outrecipient visits before transplantation (after date put on waitinglist)
Initial immun 1 code	First initial immunosuppression code (numeric code)
Initial immun 1 text	First initial immunosuppression text (text translation of code)
Initial immun 1 comment	Specification in case of first immunosuppression 'other'
Initial immun 2 code	Second initial immunosuppression code (numeric code)
Initial immun 2 text	Second initial immunosuppression text (text translation of code)
Initial immun 2 comment	Specification in case of second immunosuppression 'other'
Initial immun 3 code	Third initial immunosuppression code (numeric code)
Initial immune 3 text	Third initial immunosuppression text (text translation of code)
Initial immun 3 comment	Specification in case of third immunosuppression 'other'
Initial immune 4 code	Fourth initial immunosuppression code (numeric code)
Initial immune 4 text	Fourth initial immunosuppression text (text translation of code)
Initial immun 4 comment	Specification in case of fourth immunosuppression 'other'
Initial immune 5 code	Fifth initial immunosuppression code (numeric code)
Initial immune 5 text	Fifth initial immunosuppression text (text translation of code)
Initial immun 5 comment	Specification in case of fifth immunosuppression 'other'
Rec_lost	Is the recipient lost to follow-up (Yes / No / Unknown)
Lastseen	The date on which the recipient was last seen in case of lost to follow-up
Dialysis	Was the recipient on dialysis at the time of transplant? Yes / No / Unknown
Dialtech	The dialysis technique used if the recipient was on dialysis at the time of transplant (code Dialysis technique)
Insuline	The daily amount of insulin before transplantation (U/day, Numeric (0-60)
HBA1c	The percentage of glycosylated serum hemoglobin of the recipient before transplantation (Numeric 0-20)
Ductman	Duct management. The pancreas duct anastomose (Intraperitonal, Pancreaticocystostomy, Pancreaticoileostomy, Pancreaticojejunostomy)
Ducttech	Duct management technique. The drainage technique used (code, duct management technique)
Vendrain	The venous drainage technique used (Vena porta, Right vena iliaca, left vena iliaca, vena cava)
Renalbiop	Was a renal biopsy taken? Yes / No / Unknown

Column header	Meaning
Neprhopat	Diabetic nephropathy documented by renal biopsy (Yes / No / Unknown)
Othrendiag	Diagnosis of other renal diagnosis in case of a renal biopsy and no diabetic nephropathy

9.12.8 P_X_8 NOTR Pancreas Follow Up – Extract

The data extract contains the following data items concerning the selected follow-up events.

Column header	Meaning
R-Etnr	ET registration number of recipient
T-Etnr	ET registration number of transplant
T-date	Date of transplant
F-freq	Follow-up frequency: M3 (3 month), Y1 (year 1), Yn, E (end)
F-date	Follow-up date (date seen)
T-center	Transplant center
F-center	Follow up center
Height	Height of recipient in cm
Weight	Weight of recipient in kg
Secdrain	Secundary enteric drainage (Yes / No / Unknown)
Dateconv	In case of conversion to enteric drainage, the date on which the conversion was performed
Convtechn	In case of conversion to enteric drainage, the technique used for the drainage (Code, Duct management: only enteric drainage with or without Roux-en-Y)
Glucose	The concentration of fasting serum glucose of the recipient (if available)
Unit glucose	The unit in which the glucose concentration is expressed (mmol/l or mg/dl)
Hba1c	The percentage of glycosylated serum hemoglobin of the recipient
Rebalbiop	Was a renal biopsy taken? Yes / No / Unknown
Nephropat	Diabetic nephropathy documented by renal biopsy (Yes / No / Unknown)
Othrendiag	Diagnosis of other renal diagnosis in case of a renal biopsy and no diabetic nephropathy
Reject	Did the recipient receive rejection treatments during the last follow-up period? Yes / No / Unknown
Rejectnr	Number of rejection treatments the recipient received during the last follow-up period
Immun 1 code	First immunosuppression code (numeric code)
Immun 1 text	First immunosuppression text (text translation of code)
Immun 1 comment	Specification in case of immunosuppression 'other'
Immun 2 code	Second immunosuppression code (numeric code)
Immun 2 text	Second immunosuppression text (text translation of code)
Immun 2 comment	Specification in case of immunosuppression 'other'
Immun 3 code	Third immunosuppression code (numeric code)
Immun 3 text	Third immunosuppression text (text translation of code)
Immun 3 comment	Specification in case of immunosuppression 'other'
Immun 4 code	Fourth immunosuppression code (numeric code)

Column header	Meaning
Immun 4 text	Fourth immunosuppression text (text translation of code)
Immun 4 comment	Specification in case of mmunosuppression 'other'
Immun 5 code	Fifth immunosuppression code (numeric code)
Immun 5 text	Fifth immunosuppression text (text translation of code)
Immun 5 comment	Specification in case of immunosuppression 'other'
Complications	Complications
Malignancies	Malignancies diagnosed?
Malign 1 Diagdate	The date on which the first malignancy was diagnosed
Malign 1 code	First malignancy code
Malign 1 text	First malignancy text
Malign 1 comment	Specification of first malignancy 'other'
Malign 2 Diagdate	The date on which the second malignancy was diagnosed
Malign 2 code	Second malignancy code
Malign 2 text	Second malignancy text
Malign 2 comment	Specification of second malignancy 'other'
Nr of hospitalisation days	Number of hospitalisation days in follow-up period
Nr of outrecipient visits	Number of outrecipient visits in follow-up period

9.12.9 HL_X_9 NOTR Thoracic Recipient - Extract

The data extract contains the following 20 data items concerning recipients in the selected transplants:

Column header	Meaning
R-Etnr	ET registration number of recipient
R-Last-name	Last name of recipient
R-First-name	First name of recipient
R-address-1	Address of recipient (line 1)
R-address-2	Address of recipient (line 2)
R-city	City of recipient (from address)
R-postcode	Postal code of recipient (from address)
R-country-code	Country code of recipient (from address, numeric code of country)
R-country-text	Country of recipient (from address, text translation of code)
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-abo	Blood group of recipient
R-rhesus	Rhesus factor of recipient
R-full-match-pheno	Full match phenotype of recipient
R-dod	Date of death of recipient
R-cod-ishlt-code	Cause of death code of recipient (ishlt code, numeric code)
R-cod-ishlt-text	Cause of death text of recipient (ishlt code, text translation of code)
R-cod-code	Cause of death code of recipient (numeric code)
R-cod-text	Cause of death text of recipient (text translation of code)
R-cod-comm	Specification of the cause of death, if the cause of death is 'Other'

9.12.10   HL_X_10   NOTR Thoracic Donor – Extract

The data extract contains the following data items concerning donors in the selected transplants:

Column header	Meaning
D-Etnr	ET registration number of donor
D-full-match-pheno	Full match pheno type of donor
D-age	Age of donor at time of transplant
D-sex	Sex of donor F(emale) or M(ale)
D-abo	Blood group of donor
D-rhesus	Resus factor of donor
D-weight	Weight of donor in kg
D-height	Height of donor in cm
D_HbsAg	HbsAg status of donor
D_HCVAb	HCVAb status of donor
D_CMVigG	CMVIgG status of donor
D_HIVAb	HIVAb status of donor
D-type-code	Type of donor code (numeric code)
D-type-text	Type of donor text (text translation of code)
D-relation-code	Relation of donor to recipient code (numeric code)
D-relation-text	Relation of donor to recipient text(text translation of code)
D-cod-code-ET	Cause of death code of donor (numeric code ET)
D-cod-text	Cause of death text of donor (text translation of code)
D-cod-comm	Specification of the cause of death if the cause of death is 'Other'
D-cod-code-ICD	Cause of death code of donor (numeric code ICD10)

9.12.11   HL_X_11   NOTR Thoracic Transplant - Extract

The data extract contains the following data items concerning the selected transplants:

Column header	Meaning
T-Date	Date of transplant
T-Center	Transplant center
T-Etnr	ET registration number of transplant
R-Etnr	ET registration number of recipient
D-etnr	ET registration number of donor
Gfaildat_he	Date of graft failure heart
Gfailcod_he	Graft failure code heart (numeric code)
Gfailcau_he	Graft failure cause heart (text translation of code)
Gfailcom_he	Specification of graft fail cause heart if the cause is 'Other'
Gfaildat_llu	Date of graft failure left lung
Gfailcod_llu	Graft failure code left lung (numeric code)
Gfailcau_llu	Graft failure cause left lung (text translation of code)

Column header	Meaning
Gfailcom_llu	Specification of graft fail cause left lung if the cause is 'Other'
Gfaildat_rlu	Date of graft failure right lung
Gfailcod_rlu	Graft failure code right lung (numeric code)
Gfailcau_rlu	Graft failure cause right lung (text translation of code)
Gfailcom_rlu	Specification of graft fail cause right lung if the cause is 'Other'
CIPM He	The cold ischemic period of the heart (min)
CIPM_llu	The cold ischemic period of the left lung (min)
CIPM_rlu	The cold ischemic period of the right lung (min)
WIP1_he	First warm ischemic period heart (min)
WIP1_llu	First warm ischemic period left lung (min)
WIP1_rlu	First warm ischemic period right lung (min)
WIP2_he	Second warm ischemic period heart (min)
WIP2_llu	Second warm ischemic period left (min)lung
WIP2_rlu	Second warm ischemic period right lung (min)
TIPM_he	The total ischaemic period of the heart (min).
TIPM_llu	The total ischaemic period of the left lung (min).
TIPM_rlu	The total ischaemic period of the right lung (min).
T-Organ	Organ transplanted (Kidney, Heart, Liver, Lung or Pancreas)
T-Organ-detail	Organ detail (Left (right) kidney, left (right) lung etc.)
T-Simul	All organs simultaneous transplanted (i.e same recipient and donor)
mm-A	A locus - broad mismatches
mm-B	B locus - broad mismatches
mm-DR	DR locus - broad mismatches
R-HbsAG	HbsAg status of recipient
R-HCVAb	HCVAb status of recipient
R-CMVIgG	CMVIgG status of recipient
R-HIVAb	HIVAb status of recipient
H-Pra-per	Highest Pra percentage of recipient (at time of transplant)
H-Pra-date	Date of highest Pra of recipient (at time of transplant)
C-Pra-per	Current Pra of recipient (at time of transplant)
C-Pra-date	Date of current Pra of recipient (at transplant)
Ab-spec	Cumulative AB specificity
Accept-ab	Acceptable antigens
Unaccept-ab	Unacceptable antigens (maximum length of 125 positions)
Unacc-complete	Indicator if Unaccept-ab is complete (Yes: if length of Unaccept-ab is less then or equal 125. No: if length of Unacceptable -ab greater then 125 (in which the first 125 positions are reported)
Height	Height in cm of recipient
weight	Weight in kg of recipient
Nr of hospitalisation days	Number of hospitalisation days before transplantation (after date put on waitinglist)
Nr of outrecipient visits	Number of outrecipient visits before transplantation (after date put on waitinglist)
HEtxptech	The transplant technique of the heart (Code:393=orthotopic, 394=heterotopic, 395=heart/lungs)

Column header	Meaning
LUtxptech	The transplant technique of the lung(s) (Code:EB=Lungs transplanted en bloc. S=Lungs transplanted bilaterally sequentially. HL=Heart and lungs transplanted. UL=Unilateral)
LUdis	The lung disease of the lung (or heart/lung) recipient (numeric code)
LUdis_com	Specification of the lung disease if the diagnosis is 'Other
HEdis	The heart disease of the heart (or heart/lung) recipient (numeric code)
HEdis_com	Specification of the heart disease if the diagnosis is 'Other'
HLAtype_1	The sort of typing that is used for the HLA class I typing of the recipient: D(DNA) /S (serum)
HLAtype_2	The sort of typing that is used for the HLA class II typing of the recipient: D(DNA) /S (serum)
EBVsero	EBV serology of the recipient (Pos / Neg / NT)
Evaluation	The general evaluation of the recipient as transplantation candidate: G/M/P (good/moderate/poor)
Hospital	Place where the recipient stayed: H/I/W (Home/Intensive care/Ward)
IV_inotr	Did the recipient receive IV inotropes before transplantation? Yes / No / Unknown
ICD	Did the recipient have an ICD before the transplant? (heart transplants only) Yes / No / Unknown
IABP	Did the recipient have IABP before transplantation? Yes / No / Unknown
VAD	Did the recipient have a VAD before transplantation? Yes / No / Unknown
Ventilat	Was the recipient on ventilator support before transplantation? Yes / No / Unknown
FEV	The forced expiratory volume in one second (lung transplants only)
Prev_HE_surg	Did the recipient undergo previous open heart surgery? Yes / No / Unknown
Diabet	Did the recipient suffer from diabetes mellitus type I or II at the time of transplantation? Yes / No / Unknown
Bldtransf	Did the recipient receive any previous blood transfusions? Yes / No / Unknown
Dialysis	Was the recipient dialysis dependent at the time of transplantation? Yes / No / Unknown
Creatinine conc.	Level of serum creatinine of the recipient at the time of transplant
Unit Creatinine	Unit of the creatinine value
BM	Was bone marrow administered as part of the initial immunosuppressive treatment? Yes / No / Unknown
PRA	The percentage of panel reactive antibodies
DatePRA	The date the panel reactive antibodies screening was performed
Auto_anti	Did the recipient have auto-antibodies against lymphocytes? Pos / Neg / NT
Mech_device	Did the recipient receive any mechanical device immediately post-operative? Yes / No / Unknown
Rec_lost	Is the recipient lost to follow-up? Yes / No / Unknown
Lastseen	The date on which the recipient was last seen (known to be alive) in case of lost to follow-up
Aircomp	Has the recipient suffered from airway complications? (lung transplants only) Yes / No / Unknown

Column header	Meaning
Initial immun 1 code	First initial immunosuppression cod (numeric code)
Initial immun 1 text	First initial immunosuppression text (text translation of code)
Initial immun 1 comment	Specification in case of first immunosuppression 'other'
Initial immun 2 code	Second initial immunosuppression code (numeric code)
Initial immun 2 text	Second initial immunosuppression text (text translation of code)
Initial immun 2 comment	Specification in case of second immunosuppression 'other'
Initial immun 3 code	Third initial immunosuppression code (numeric code)
Initial immun 3 text	Third initial immunosuppression text (text translation of code)
Initial immun 3 comment	Specification in case of third immunosuppression 'other'
Initial immun 4 code	Fourth initial immunosuppression code (numeric code)
Initial immun 4 text	Fourth initial immunosuppression text (text translation of code)
Initial immun 4 comment	Specification in case of fourth immunosuppression 'other'
Initial immun 5 code	Fifth initial immunosuppression code (numeric code)
Initial immun 5 text	Fifth initial immunosuppression text (text translation of code)
Initial immun 5 comment	Specification in case of fifth immunosuppression 'other'
Blindtrial	Did the recipient participate in a blind trial for immunosuppression? Yes / No / Unknown
IStrial	If the blind trial was stopped, which immunosuppressive drug was given?

9.12.12   HL_X_12   NOTR Thoracic Follow Up – Extract

The data extract contains the following data items concerning the selected follow-up events.

Column header	Meaning
R-Etnr	ET registration number of recipient
T-Etnr	ET registration number of transplant
T-date	Date of transplant
F-freq	Follow-up frequency: D (Discharge), W6 (6weeks), Y1 (year 1), Yn, E (end)
F-date	Follow-up date (date seen)
T-center	Transplant center
F-center	Follow up center
Height	Height in cm of rcipient
Weight	Weight in kg of recipient
Reject_lu	Did the recipient have drug treated lung transplant rejections? Yes / No / Unknown
Rejectnr_lu	Number of lung rejection treatments the recipients received during the last follow-up period
Chr_rej_lu	Did the recipient have a chronic lung transplant rejection (BOS)? Yes / No / Unknown
Reject_he	Did the recipient have drug treated heart transplant rejections? Yes / No / Unknown
Rejectnr_he	Number of heart rejection treatments the recipients received during the last follow-up period
Chr_rej_he	Did the recipient have a chronic heart transplant rejection? Yes / No / Unknown
Immun 1 code	First immunosuppression code (numeric code)

Column header	Meaning
Immun 1 text	First immunosuppression text (text translation of code)
Immun 1 comment	Specification in case of first immunosuppression 'other'
Immun 2 code	Second immunosuppression code (numeric code)
Immun 2 text	Second immunosuppression text (text translation of code)
Immun 2 omment	Specification in case of second immunosuppression 'other'
Immun 3 code	Third immunosuppression code (numeric code)
Immun 3 text	Third immunosuppression text (text translation of code)
Immun 3 comment	Specification in case of third immunosuppression 'other'
Immun 4 code	Fourth immunosuppression code (numeric code)
Immun 4 text	Fourth immunosuppression text (text translation of code)
Immun 4 comment	Specification in case of fourth immunosuppression 'other'
Immun 5 code	Fifth immunosuppression code (numeric code)
Immun 5 text	Fifth immunosuppression text (text translation of code)
Immun 5 comment	Specification in case of fifth immunosuppression 'other'
Blindtrial	Did the recipient participate in a blind trial for immunosuppression? Yes / No / Unknown
IStrial	If the blind trial was stopped, which immunosuppressive drug was given?
Malignancies	Malignancies diagnosed? Yes / No / Unknown
Malign 1 diagdate	The date on which the first malignancy was diagnosed
Malign 1 code	First malignancy code (numeric code)
Malign 1 text	First malignancy text (text translation of code)
Malign 1 comment	Specification of first malignancy 'other'
Malign 2 diagdate	The date on which the second malignancy was diagnosed
Malign 2 code	Second malignancy code (numeric code)
Malign 2 text	Second malignancy text (text translation of code)
Malign 2 comment	Specification of second malignancy 'other'
Creatinine conc.	Creatinine concentration
Unit creatinine	Unit of creatinine concentration (umol / l)
Aircomp	Has the recipient suffered from airway complications? (lung transplants only) Yes / No / Unknown
Nr of hospitalisation days	Number of hospitalisation days in follow-up period
Nr of outrecipient visits	Number of outrecipient visits in follow-up period

9.12.13   K_X_020   NOTR Kidney Recipient - Extract

The data extract contains the following data items concerning recipients in the selected transplants

Column header	Meaning
R-Etnr	ET registration number of recipient
R-Last-name	Last name of recipient
R-First-name	First name of recipient
R-address-1	Address of recipient (line 1)
R-address-2	Address of recipient (line 2)
R-city	City of recipient (from address)

R-postcode	Postal code of recipient (from address)
R-country-code	Country code of recipient (from address, numeric code of country)
R-country-text	Country of recipient (from address, text translation of code)
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)
R-abo	Blood group of recipient
R-rhesus	Rhesus factor of recipient
R-full-match-pheno	Full match phenotype of recipient
R-dod	Date of death of recipient
R-cod-code	Cause of death code of recipient (numeric code)
R-cod-text	Cause of death text of recipient (text translation of code)
R-cod-comm	Specification of the cause of death, if the cause of death is 'Other'

9.12.14   K_X_021   NOTR Kidney Donor - Extract

The data extract contains the following data items concerning donors in the selected transplants:

Column header	Meaning
D-Etnr	ET registration number of donor
D-full-match-pheno	Full match pheno type of donor
D-age	Age of donor at time of transplant
D-sex	Sex of donor F(emale) or M(ale)
D-abo	Blood group of donor
D-rhesus	Resus factor of donor
D-weight	Weight of donor in kg
D-height	Height of donor in cm
D_HbsAg	HbsAg status of donor
D_HCVAb	HCVAb status of donor
D_CMVigG	CMVIgG status of donor
D_HIVAb	HIVAb status of donor
D-type-code	Type of donor code (numeric code)
D-type-text	Type of donor text (text translation of code)
D-relation-code	Relation of donor to recipient code (numeric code)
D-relation-text	Relation of donor to recipient text(text translation of code)
D-cod-code-ET	Cause of death code of donor (numeric code ET)
D-cod-text	Cause of death text of donor (text translation of code)
D-cod-comm	Specification of the cause of death if the cause of death is 'Other'
D-cod-code-ICD	Cause of death code of donor (numeric code ICD10)

9.12.15   K_X_022   NOTR Kidney Transplant - Extract

The data extract contains the following data items concerning the selected transplants:

Column header	Meaning
T-Date	Date of transplant
T-Center	Transplant center
T-Etnr	ET registration number of transplant
R-Etnr	ET registration number of recipient
D-etnr	ET registration number of donor
Gfaildat	Date of graft failure
Gfailcod	Graft failure code(numeric code)
Gfailcau	Graft failure cause (text translation of code)
Gfailcom	Specification of graft fail cause if the cause is 'Other'
CIPM	The cold ischaemic period of the graft (min). This is the time between perfusion from donor and placement in recipient (out of the ice)
WIP1	First warm ischaemic period (min)
WIP2	Second warm ischaemic period (min). This is the time between placement in recipient (out of the ice) and recirculation.
IP	The total ischaemic period (cold and second warm ischaemic period)
T-Organ	Organ transplanted (Kidney, Heart, Liver, Lung or Pancreas)
T-Organ-detail	Organ detail (Left (right) kidney, left (right) lung etc.)
T-Simul	All organs simultaneous transplanted (i.e same recipient and donor)
Typing	Ref or Telephone
mm-A	A locus - broad mismatches
mm-B	B locus - broad mismatches
mm-DR	DR locus - broad mismatches
Ki-tot-txp	Sequence number of this transplant
Ki-prd-id	Primary disease code of recipient (numeric code)
Ki-prd-text	Primary disease text of recipient (text translation of code)
Ki-2nd-disease	Secondary disease text of recipient
R-HbsAG	HbsAg status of recipient
R-HCVAb	HCVAb status of recipient
R-CMVIgG	CMVIgG status of recipient
R-HIVAb	HIVAb status of recipient
Dial-Center	Dialysis center of recipient
Dial-Date	Date of first dialysis of recipient
Dial-Tech-code	Dialysis technique code of recipient (numeric code)
Dial-Tech-text	Dialysis technique text of recipient (text translation of code)
Renine-PRD	Primary renal disease code as registered in Renine database (numeric code)
Renine-Dial-techn	Dialysis technique as registered in Renine database
Renine-Dial-days	Number of dialysis days before this transplant registered in Renine database
H-Pra-per	Highest Pra percentage of recipient (at time of transplant)
H-Pra-date	Date of highest Pra of recipient (at time of transplant)
C-Pra-per	Current Pra of recipient (at time of transplant)
C-Pra-date	Date of current Pra of recipient (at transplant)
Ab-spec	Cumulative AB specificity
Accept-ab	Acceptable antigens
Unaccept-ab	Unacceptable antigens (maximum length of 125 positions)

Column header	Meaning
Unacc-complete	Indicator if Unaccept-ab is complete (Yes: if length of Unaccept-ab is less then or equal 125. No: if length of Unacceptable -ab greater then 125 (in which the first 125 positions are reported)
Height	Height of recipient in cm
Weight	Weight of recipient in kg
Nr of pregnancies	Number of pregnancies before transplantation
Formal transfusion	Formal bloodtransfusion before transplantation? Yes / No
Graft function	Graft function after transplantation (Direct / Delayed / Never)
Last dialysis date after txp	Last dialysis date after transplantation in case of delayed graft functioning
Initial immun 1 code	First initial immunosuppression code (numeric code)
Initial immun 1 text	First initial immunosuppression text (text translation of code)
Initial immun 1 comment	Specification in case of first immunosuppression 'other'
Initial immun 2 code	Second initial immunosuppression code (numeric code)
Initial immun 2 text	Second initial immunosuppression text (text translation of code)
Initial immun 2 comment	Specification in case of second immunosuppression 'other'
Initial immun 3 code	Third initial immunosuppression code (numeric code)
Initial immun 3 text	Third initial immunosuppression text (text translation of code)
Initial immun 3 comment	Specificatio in case of third immunosuppression 'other'
Initial immun 4 code	Fourth initial immunosuppression code (numeric code)
Initial immun 4 text	Fourth initial immunosuppression text (text translation of code)
Initial immun 4 comment	Specification in case of fourth immunosuppression 'other'
Initial immun 5 code	Fifth initial immunosuppression code (numeric code)
Initial immun 5 text	Fifth initial immunosuppression text (text translation of code)
Initial immun 5 comment	Specification in case of fifth immunosuppression 'other'
Nr of hospitalisation days	Number of hospitalisation days before transplantation (after date put on waitinglist)
Nr of outrecipient visits	Number of outrecipient visits before transplantation (after date put on waitinglist)
Roken	Smoking at time of transplant (Yes / No / Unknown)
Don_st	Donorstatus
Cadaveric	Cadaveric donor type (Heartbeating/ non-heartbeating)
Don_rel	Relation donor – recipient
Card	Cardiologic event (Yes / No / Unknown)
CVA	CVA (Yes/ No)
Vaat-event	Vascular event (Yes/ No)
Claudic	Claudicatio symptoms before transplantation (Yes / No / Unknown)
AP	Angina Pectoris (Yes / No / Unknown)
LVH	Left ventricular hypertrophy (Pos / Neg)
Diabetes	Diabetes before transplantation (Yes / No / Unknown)
Diab_duur	Duration of diabetes (years)
Cholesterol	Last value of cholesterol before transplantation
A_chol	Cholesterol reducing medication (Yes / No / Unknown)
Spec_chol	Specification of medication (1=statine; 2= other medication)
Antihyp	Antihypertensive medication during the last year before transplantation (Yes / No / Unknown)
Spec_antihyp1	Specification of antihypertensive medication 1 (text translation of

Column header	Meaning
	code)
Spec_antihyp2	Specification of antihypertensive medication 2 (text translation of code)
Spec_antihyp3	Specification of antihypertensive medication 3 (text translation of code)
Spec_antihyp4	Specification of antihypertensive medication 4 (text translation of code)

9.12.16   K_X_023   NOTR Kidney Follow Up – Extract

The data extract contains the following data items concerning the selected follow-up events:

Column header	Meaning
R-Etnr	ET registration number of recipient
T-Etnr	ET registration number of transplant
T-Date	Transplant date
F-freq	Follow-up frequency: M3 (3 month), Y1 (year 1), Yn, E (end)
F-date	Follow-up date (date seen)
T-center	Transplant center
F-center	Follow up center
Rejection treatment	Rejection treatment (Yes / No)
Nr of treatments	Number of rejection treatments
Malignancies	Malignancies diagnosed? Yes / No / Unknown
Malign 1 diagdate	The date on which the first malignancy was diagnosed
Malign 1 code	First malignancy code (numeric code)
Malign 1 text	First malignancy text (text translation of code)
Malign 1 comment	Specification of first malignancy 'other'
Malign 2 diagdate	The date on which the second malignancy was diagnosed
Malign 2 code	Second malignancy code (numeric code)
Malign 2 text	Second malignancy text (text translation of code)
Malign 2 comment	Specification of second malignancy 'other'
Pregnancies	Pregnancies in follow-up period (Yes / No / Unknown)
Children born	Children born in follow-up period (Yes / No)
Creatinine conc.	Creatinine concentration
Unit creatinine	Unit of creatinine concentration (umol / l)
Proteinuria conc.	Proteinuria concentration
Unit proteinuria	Unit of proteinuria concentration (g / l)
Height	Height of recipient in cm
Weight	Weight of recipient in kg
Complications	Complications
Immun 1 code	First immunosuppression code (numeric code)
Immun 1 text	First immunosuppression text (text translation of code)
Immun 1 comment	Specification in case of first immunosuppression 'other'
Immun 2 code	Second immunosuppression code (numeric code)
Immun 2 text	Second immunosuppression text (text translation of code)
Immun 2 comment	Specification in case of second immunosuppression 'other'
Immun 3 code	Third immunosuppression code (numeric code)
Immun 3 text	Third immunosuppression text (text translation of code)

Column header	Meaning
Immun 3 comment	Specification in case of third immunosuppression 'other'
Immun 4 code	Fourth immunosuppression code (numeric code)
Immun 4 text	Fourth immunosuppression text (text translation of code)
Immun 4 comment	Specification in case of fourth immunosuppression 'other'
Immun 5 code	Fifth immunosuppression code (numeric code)
Immun 5 text	Fifth immunosuppression text (text translation of code)
Immun 5 comment	Specification in case of fifth immunosuppression 'other'
Nr of hospitalisation days	Number of hospitalisation days in follow-up period
Nr of outrecipient visits	Number of outrecipient visits in follow-up period
Rej1_dd	Date of first rejection in follow up period
Biop_dd1	Date of first biopsy in follow up period
Roken	Smoking during follow up period (Yes / No / Unknown)
Hartvaat	Cardiac/Vasc. Event (Yes / No / Unknown)
Hv_klachtl	Cardiac/Vasc. Complaints (Yes / No / Unknown)
RRoffice_systolic	Blood pressure systolic, office measurement
RRoffice_diastolic	Blood pressure diastolic, office measurement
Rrdyna_systolic	RR Dynamap Systolic blood pressure systolic, dynamap measurement
Rrdyna_diastolic	RR Dynamap diastolic blood pressure diastolic, dynamap measurement
Antihyp	Antihypertensive medication during the last year before transplantation (Yes / No / Unknown)
Spec_antihyp1	Specification of antihypertensive medication 1 (text translation of code)
Spec_antihyp2	Specification of antihypertensive medication 2 (text translation of code)
Spec_antihyp3	Specification of antihypertensive medication 3 (text translation of code)
Spec_antihyp4	Specification of antihypertensive medication 4 (text translation of code)
Chol	Value of cholesterol at follow up date
A-chol	Cholesterol reducing medication (Yes / No / Unknown)
Spec-chol	Specification of medication (1=statine; 2= other medication)
Diab OAD	Oral medication for diabetes (Yes / No / Unknown)
Diab_ins	Insulin medication given (Yes / No / Unknown)

9.13 NOTR BSN Recipient Extract (Dutch centers only)

The BSN Recipient extract shows a relation table for ET-nr - BSN per recipient for the center of the user.
The parameters which should be entered are:

Name Parameter	Description
Separator	Default is the separator ";".
Unicode	Yes/No

The extract contains the following data items for recipients with a BSN number in Enis:

Column header	Meaning
R-Etnr	ET registration number of recipient
R-BSN	BSN number of recipient
R-Last-name	Last name of recipient
R-First-name	First name of recipient
R-dob	Date of birth of recipient
R-sex	Sex of recipient F(emale) or M(ale)

All recipients a center has authorization to see are shown, except the recipients without a BSN number in Enis.

10   Frequently asked Questions (FAQ)

In this chapter you'll find a number of frequently asked questions. These questions are gathered by the Eurotransplant Help desk.

Question:

How do I get my own login code?

Answer:
Go to the website of Eurotransplant http://www.eurotransplant.org. Select "Eurotransplant" (at bottom of page). An online registration form appears where you can enter the applicable data. Enter all data and click "Submit". The request is send to Eurotransplant. You will receive a login code after 1- 5 working days via e-mail.
For further information or description, see 2.1.1 "How to request a pass word".

Question:

How can I change my pass word after receiving one from ET?

Answer:
Go to the website of Eurotransplant http://www.eurotransplant.org.
1. Click on "Members". A log in screen appears. Enter the username and Pass word provided by the IT department. Click on "Login".
2. On first login the *change password screen* will be opened
3. Enter the current password (password provided by Eurotransplant IT department.)
4. Enter a new password (you can make up a new pass word yourself, minimal length 6 characters and two digits (Example: mypas34).
5. Confirm your new password by entering it a second time.
Remember: do not tell anyone your password!

Each 6 months you will be asked to change your password. Instructions will appear automatically on screen.
Note: This password can't be the same as the password you used earlier.
After 6 months of no activity your account will be disabled. With your username you get access to the member site. All requested applications are available via the member site.
For further information or description, see 2.1.1 "How to request a pass word".

Question:

What happens if you entered the wrong password five times?

Answer:
 Your account will be locked. In the login screen the next message will appear:
"Account locked due to too many login failures. Click here to reset your password"
You will have to reset your password by clicking on "Click here". Your account will be unlocked by the IT Department and you will receive a **new** temporary password. Change this pass word at first login (see above).

Question:

How do you get return of waiting time for kidney recipient?

Answer:
If the patient fulfils the criteria of return of waiting time after kidney graft failure (kidney graft has failed within 90 days after transplantation) re-register the patient as follows on the kidney waiting list:

- Go to the transplantation screen in ENIS or the kidney follow up application.
- Enter the date and cause of failure. Save the information.
- Re-register the patient on the kidney waiting list with the current date of re-institution of dialysis (must be after transplantation).
- Previous waiting time will automatically be returned the next day after 00:00 hours.

Note: When the recipient transferred to another center after the transplantation it will not be possible for you to enter the date and cause of failure of the transplantation.
In that case return of waiting time must be requested by form F1.59 (see www.eurotransplant.org section forms).

Question:

How do I register a living transplantation prior to donor registration?

Answer:

- Register the donor in ENIS (description in section 5) and select the donated organ.
- Save the information
- For liver transplantation, go to Donor – Donor Organ –Liver. Enter the correct hepatectomy date and time (this can be a historical date/ time).
- Save the information.
- For kidney transplantation, go to Donor – Donor Organ –Kidney. Go to the correct kidney tab and enter the correct nephrectomy date and time (this can be a historical date/ time).
- Save the information.

Now it is possible to register the transplantation, even if the transplantation took place prior to the registration of the donor.
For further information or description, see Chapter 4 "Donor registration"

Question:

How to retrieve recipient information from recipients receiving an organ from your

donor via Donordata.eu?

Answer:

- Go to the application www.donordata.eu (on Membersite, under Applications)
- Enter the donor number and click "Search".

The information of that donor appears.

- Go to the tab "Recipients". An overview of recipients with an offered, accepted, confirmed or transplanted status appears. Three reports are available in this tab, with all necessary information

Note: The following restrictions have been implemented
- Users from donor center: from recipients from your own center all information is visible. All reports are accessible. A recipient from another center will be shown after the center registered the transplantation. From these recipients only the standard information is visible and the reports are not available.
- For users not belonging to the donor center (or belonging to a cluster with the donor center) only the standard recipient information will be shown and the reports are not available.

For further information or description, see 5.1 "Requesting donor/ recipient information".

Question:

How do I register a pancreas recipient with a too high C-peptide on the waiting list?

Answer:
A recipient can only be registered on a transplantable (T) urgency on the pancreas waiting list if the pancreas does not function properly. This has to be proven by the value of the C-peptide. This value has to be ≤0.50 ng/ml or 0.17 nmol/.
If the value is higher, you can only put these recipients on a not transplantable (NT) urgency. The comment "C-peptide is too high" is entered automatically.
In these cases you can sent the filled in form *F1.29.3 Waiting List Registration request form pancreas* to the Administration HelpDesk of Eurotransplant.
The HelpDesk wil foreward your request to members of the Pancreas Advisory Committee (EPAC). The request is sent to two members, in case of a split decision to a third member.
The HelpDesk will inform you about the decision. If the decision is 'Yes', the HelpDesk will set the field 'EPAC approval' to Yes and you can set the urgency on transplantable (T).
For further information or description, see 3.1.12 "Pancreas specific screen".

Addendum A Code tables extracts

Code Table 1A - Kidney Disease ET Codes

Nr	Description
1	Chronic renal failure - etiology uncertain
10	Glomerulonephritis - histologically not examined
11	Focal segmental glomerulosclerosis with nephrotic syndrome in children
12	IgA nephropathy (proven by immunofluorescence)
13	Dense deposit disease MPGN - Type II
14	Membranous nephropathy
15	Membrano-proliferative glomerulonephritis - Type I
16	Rapidly progressive Glomerulonephritis without systemic disease
17	Focal segmental glomerulosclerosis with nephrotic syndrome in adults
19	Glomerulonephritis - histologically examined
20	Pyelonephritis/Interstitial nephritis - Cause not specified
21	Pyelonephritis/Interstitial nephritis - Neurogenic bladder
22	Pyelonephritis/Interstitial nephritis - Congenital obstructive uropathy
23	Pyelonephritis/Interstitial nephritis - Acquired obstructive uropathy
24	Pyelonephritis/Interstitial nephritis - VU reflux without obstruction
25	Pyelonephritis/Interstitial nephritis – Urolithiasis
29	Pyelonephritis/Interstitial nephritis - Other cause
30	Tubulo-interstitial nephritis (not Pyelonephritis)
31	Nephropathy due to analgesic drugs
32	Nephropathy due to Cisplatinum
33	Nephropathy due to Cyclosporin A
34	Lead induced interstitial nephropathy
39	Nephropathy caused by other specific drug
40	Cystic kidney disease – Type unspecified
41	Polycystic Kidneys - Adult type (dominant)
42	Polycystic Kidneys – Infantile type (recessive)
43	Medullary Cystic Disease - including nephronophthisis
49	Cystic kidney disease – Other specified type
50	Hereditary / Familial nephropathy - Type unspecified
51	Hereditary nephritis with nerve deafness (Alport's syndrome)
52	Cystinosis
53	Primary oxalosis
54	Fabry's disease

59	Hereditary Nephropathy - Other
60	Congenital renal hypoplasia - Type unspecified
61	Oligomeganephronic hypoplasia
63	Congenital renal dysplasia with/without urinary tract malformation
66	Syndrome of agenesis of abdominal muscles (Prune Belly syndrome)
70	Renal vascular disease - Type unspecified
71	Renal vascular disease due to malignant hypertension
72	Renal vascular disease due to hypertension
73	Renal vascular disease due to polyarteritis
74	Wegener's granulomatosis
75	Ischemic renal disease/ cholesterol embolism
76	Glomerulonephritis related to liver cirrhosis
78	Cryoglobulinemic glomerulonephritis
79	Renal vascular disease – Classified
80	Diabetes Type I
81	Diabetes Type II
82	Myelomatosis - Light chain deposit disease
83	Amyloidosis
84	Lupus Erythematosus
85	Henoch-Schonlein Purpura
86	Goodpasture's syndrome
87	Systemic sclerosis (scleroderma)
88	Hemolytic Uremic Syndrome including Moschcowitz syndrome
89	Multisystem disease - Other specified type
90	Cortical or Tubular necrosis
91	Tuberculosis
92	Gout nephropathy (urate)
93	Nephrocalcinosis and Hypercalcemic Nephropathy
94	Balkan nephropathy
95	Kidney tumor
96	Traumatic or Surgical loss of kidney
99	Other identified renal disorders - Specify

Code Table 1B - Kidney Disease ICD10 Codes

Code	Description
A18.1	Tuberculosis of genito-urinary system
C64	Malignant neoplasm of kidney, except renal pelvis
C65	Malignant neoplasm of renal pelvis
C88.0	Malignant immunoproliferative diseases - Waldenstroems macroglobulinaemia
C90.0	Multiple myeloma and malignant plasma cell neoplasms - Multiple myeloma

D41.0	Neoplasm of uncertain or unknown behaviour of urinary organs - Kidney
D41.1	Neoplasm of uncertain or unknown behaviour of urinary organs - Renal pelvis
D59.3	Acquired haemolytic anaemia - Haemolytic-uraemic syndrome
D69.0	Purpura and other haemorrhagic conditions - Allergic purpura
D89.1	Other disorders involving the immune mechanism, not elsewhere classified - Cryoglobulinaemia
E10.2	Insulin-dependent diabetes mellitus - With renal complications
E11.2	Non-insulin-dependent diabetes mellitus - With renal complications
E72.0	Other disorders of amino-acid metabolism - Disorders of amino-acid transport
E74.8	Other specified disorders of carbohydrate metabolism
E75.2	Disorders of sphingolipid metabolism and other lipid storage disorders - Other sphingolipidosis
G83.4	Other paralytic syndromes - Cauda equina syndrome
G95.8	Other specified diseases of spinal cord
I12.0	Hypertensive renal disease with renal failure
I13.0	Hypertensive heart and renal disease with (congestive) heart failure
I13.1	Hypertensive heart and renal disease with renal failure
I13.2	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure
I13.9	Hypertensive heart and renal disease, unspecified
I33.0	Acute and subacute infective endocarditis
I70.1	Atherosclerosis of renal artery
K76.7	Hepatorenal syndrome
M31.0	Other necrotising vasculopathies - Hypersensitivity angiitis
M31.1	Other necrotising vasculopathies - Thrombotic microangiopathy
M31.3	Other necrotising vasculopathies - Wegeners granulomatosis
M32.1	Systemic lupus erythematosus with organ or system involvement
M35.0	Other systemic involvement of connective tissue - Sicca syndrome [Sj"gren]
M35.8	Other specified systemic involvement of connective tissue
N00.0	Acute nephritic syndrome - Minor glomerular abnormality
N00.1	Acute nephritic syndrome - Focal and segmental glomerular lesions
N00.2	Acute nephritic syndrome - Diffuse membranous glomerulonephritis
N00.3	Acute nephritic syndrome - Diffuse mesangial proliferative glomerulonephritis
N00.4	Acute nephritic syndrome - Diffuse endocapillary proliferative glomerulonephritis
N00.5	Acute nephritic syndrome - Diffuse mesangiocapillary glomerulonephritis
N00.6	Acute nephritic syndrome - Dense deposit disease
N00.7	Acute nephritic syndrome - Diffuse crescentic glomerulonephritis
N00.8	Acute nephritic syndrome - Other
N00.9	Acute nephritic syndrome - Unspecified
N01.0	Rapidly progressive nephritic syndrome - Minor glomerular abnormality
N01.1	Rapidly progressive nephritic syndrome - Focal and segmental glomerular lesions
N01.2	Rapidly progressive nephritic syndrome - Diffuse membranous glomerulonephritis
N01.3	Rapidly progressive nephritic syndrome - Diffuse mesangial proliferative glomerulonephritis
N01.4	Rapidly progressive nephritic syndrome - Diffuse endocapillary proliferative glomerulonephritis
N01.5	Rapidly progressive nephritic syndrome - Diffuse mesangiocapillary glomerulonephritis
N01.6	Rapidly progressive nephritic syndrome - Dense deposit disease
N01.7	Rapidly progressive nephritic syndrome - Diffuse crescentic glomerulonephritis
N01.8	Rapidly progressive nephritic syndrome - Other

N01.9	Rapidly progressive nephritic syndrome - Unspecified
N02.0	Recurrent and persistent haematuria - Minor glomerular abnormality
N02.1	Recurrent and persistent haematuria - Focal and segmental glomerular lesions
N02.2	Recurrent and persistent haematuria - Diffuse membranous glomerulonephritis
N02.3	Recurrent and persistent haematuria - Diffuse mesangial proliferative glomerulonephritis
N02.4	Recurrent and persistent haematuria - Diffuse endocapillary proliferative glomerulonephritis
N02.5	Recurrent and persistent haematuria - Diffuse mesangiocapillary glomerulonephritis
N02.6	Recurrent and persistent haematuria - Dense deposit disease
N02.7	Recurrent and persistent haematuria - Diffuse crescentic glomerulonephritis
N02.8	Recurrent and persistent haematuria - Other
N02.9	Recurrent and persistent haematuria - Unspecified
N03.0	Chronic nephritic syndrome - Minor glomerular abnormality
N03.1	Chronic nephritic syndrome - Focal and segmental glomerular lesions
N03.2	Chronic nephritic syndrome - Diffuse membranous glomerulonephritis
N03.3	Chronic nephritic syndrome - Diffuse mesangial proliferative glomerulonephritis
N03.4	Chronic nephritic syndrome - Diffuse endocapillary proliferative glomerulonephritis
N03.5	Chronic nephritic syndrome - Diffuse mesangiocapillary glomerulonephritis
N03.6	Chronic nephritic syndrome - Dense deposit disease
N03.7	Chronic nephritic syndrome - Diffuse crescentic glomerulonephritis
N03.8	Chronic nephritic syndrome - Other
N03.9	Chronic nephritic syndrome - Unspecified
N04.0	Nephrotic syndrome - Minor glomerular abnormality
N04.1	Nephrotic syndrome - Focal and segmental glomerular lesions
N04.2	Nephrotic syndrome - Diffuse membranous glomerulonephritis
N04.3	Nephrotic syndrome - Diffuse mesangial proliferative glomerulonephritis
N04.4	Nephrotic syndrome - Diffuse endocapillary proliferative glomerulonephritis
N04.5	Nephrotic syndrome - Diffuse mesangiocapillary glomerulonephritis
N04.6	Nephrotic syndrome - Dense deposit disease
N04.7	Nephrotic syndrome - Diffuse crescentic glomerulonephritis
N04.8	Nephrotic syndrome - Other
N04.9	Nephrotic syndrome - Unspecified
N05.0	Unspecified nephritic syndrome - Minor glomerular abnormality
N05.1	Unspecified nephritic syndrome - Focal and segmental glomerular lesions
N05.2	Unspecified nephritic syndrome - Diffuse membranous glomerulonephritis
N05.3	Unspecified nephritic syndrome - Diffuse mesangial proliferative glomerulonephritis
N05.4	Unspecified nephritic syndrome - Diffuse endocapillary proliferative glomerulonephritis
N05.5	Unspecified nephritic syndrome - Diffuse mesangiocapillary glomerulonephritis
N05.6	Unspecified nephritic syndrome - Dense deposit disease
N05.7	Unspecified nephritic syndrome - Diffuse crescentic glomerulonephritis
N05.8	Unspecified nephritic syndrome - Other
N05.9	Unspecified nephritic syndrome
N06.0	Isolated proteinuria with specified morphological lesion - Minor glomerular abnormality
N06.1	Isolated proteinuria with specified morphological lesion - Focal and segmental glomerular lesions
N06.2	Isolated proteinuria with specified morphological lesion - Diffuse membranous glomerulonephritis

N06.3	Isolated proteinuria with specified morphological lesion - Diffuse mesangial proliferative glomerulonephritis
N06.4	Isolated proteinuria with specified morphological lesion - Diffuse endocapillary proliferative glomerulonephritis
N06.5	Isolated proteinuria with specified morphological lesion - Diffuse mesangiocapillary glomerulonephritis
N06.6	Isolated proteinuria with specified morphological lesion - Dense deposit disease
N06.7	Isolated proteinuria with specified morphological lesion - Diffuse crescentic glomerulonephritis
N06.8	Isolated proteinuria with specified morphological lesion - Other
N06.9	Isolated proteinuria with specified morphological lesion - Unspecified
N07.0	Hereditary nephropathy, not elsewhere classified - Minor glomerular abnormality
N07.1	Hereditary nephropathy, not elsewhere classified - Focal and segmental glomerular lesions
N07.2	Hereditary nephropathy, not elsewhere classified - Diffuse membranous glomerulonephritis
N07.3	Hereditary nephropathy, not elsewhere classified - Diffuse mesangial proliferative glomerulonephritis
N07.4	Hereditary nephropathy, not elsewhere classified - Diffuse endocapillary proliferative glomerulonephritis
N07.5	Hereditary nephropathy, not elsewhere classified - Diffuse mesangiocapillary glomerulonephritis
N07.6	Hereditary nephropathy, not elsewhere classified - Dense deposit disease
N07.7	Hereditary nephropathy, not elsewhere classified - Diffuse crescentic glomerulonephritis
N07.8	Hereditary nephropathy, not elsewhere classified - Other
N07.9	Hereditary nephropathy, not elsewhere classified - Unspecified
N08.0	Glomerular disorders in infectious and parasitic diseases classified elsewhere
N08.1	Glomerular disorders in neoplastic diseases
N08.2	Glomerular disorders in blood diseases and disorders involving the immune mechanism
N08.3	Glomerular disorders in diabetes mellitus
N08.4	Glomerular disorders in other endocrine, nutritional and metabolic diseases
N08.5	Glomerular disorders in systemic connective tissue disorders
N08.8	Glomerular disorders in other diseases classified elsewhere
N10	Acute tubulo-interstitial nephritis
N11.0	Nonobstructive reflux-associated chronic pyelonephritis
N11.1	Chronic obstructive pyelonephritis
N11.8	Other chronic tubulo-interstitial nephritis
N11.9	Chronic tubulo-interstitial nephritis, unspecified
N12	Tubulo-interstitial nephritis, not specified as acute or chronic
N13.0	Obstructive and reflux uropathy - Hydronephrosis with ureteropelvic junction obstruction
N13.1	Obstructive and reflux uropathy - Hydronephrosis with ureteral stricture, not elsewhere classified
N13.2	Obstructive and reflux uropathy - Hydronephrosis with renal and ureteral calculous obstruction
N13.3	Obstructive and reflux uropathy - Other and unspecified hydronephrosis
N13.4	Obstructive and reflux uropathy - Hydroureter
N13.5	Obstructive and reflux uropathy - Kinking and stricture of ureter without hydronephrosis

N13.6	Obstructive and reflux uropathy - Pyonephrosis
N13.7	Obstructive and reflux uropathy - Vesicoureteral-reflux-associated uropathy
N13.8	Obstructive and reflux uropathy - Other obstructive and reflux uropathy
N13.9	Obstructive and reflux uropathy, unspecified
N14.0	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions - Analgesic nephropathy
N14.1	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions - Nephropathy induced by other drugs, medicaments and biological substances
N14.2	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions - Nephropathy induced by unspecified drug, medicament or biological substance
N14.3	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions - Nephropathy induced by heavy metals
N14.4	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions - Toxic nephropathy, not elsewhere classified
N15.0	Other renal tubulo-interstitial diseases - Balkan nephropathy
N15.1	Other renal tubulo-interstitial diseases - Renal and perinephric abscess
N15.8	Other specified renal tubulo-interstitial diseases
N15.9	Renal tubulo-interstitial disease, unspecified
N16.0	Renal tubulo-interstitial disorders in infectious and parasitic diseases classified elsewhere
N16.1	Renal tubulo-interstitial disorders in neoplastic diseases
N16.2	Renal tubulo-interstitial disorders in blood diseases and disorders involving the immune mechanism
N16.3	Renal tubulo-interstitial disorders in metabolic diseases
N16.4	Renal tubulo-interstitial disorders in systemic connective tissue disorders
N16.5	Renal tubulo-interstitial disorders in transplant rejection
N16.8	Renal tubulo-interstitial disorders in other diseases classified elsewhere
N17.0	Acute renal failure with tubular necrosis
N17.1	Acute renal failure with acute cortical necrosis
N17.2	Acute renal failure with medullary necrosis
N17.8	Other acute renal failure
N17.9	Acute renal failure, unspecified
N18.0	End-stage renal disease
N18.8	Other chronic renal failure
N18.9	Chronic renal failure, unspecified
N19	Unspecified renal failure
N20.0	Calculus of kidney and ureter - Calculus of kidney
N20.1	Calculus of kidney and ureter - Calculus of ureter
N20.2	Calculus of kidney and ureter - Calculus of kidney with calculus of ureter
N20.9	Calculus of kidney and ureter - Urinary calculus, unspecified
N26	Unspecified contracted kidney
N27.0	Small kidney, unilateral
N27.1	Small kidney, bilateral
N27.9	Small kidney, unspecified
N28.0	Other disorders of kidney and ureter, not elsewhere classified - Ischaemia and infarction of kidney
N28.1	Cyst of kidney, acquired
N28.8	Other specified disorders of kidney and ureter
N28.9	Disorder of kidney and ureter, unspecified
N29.0	Other disorders of kidney and ureter in diseases classified elsewhere - Late syphilis of kidney

N29.1	Other disorders of kidney and ureter in infectious and parasitic diseases classified elsewhere
N29.8	Other disorders of kidney and ureter in other diseases classified elsewhere
N99.0	Postprocedural renal failure
N99.9	Postprocedural disorder of genito-urinary system, unspecified
Q61.0	Cystic kidney disease - Congenital single renal cyst
Q61.1	Cystic kidney disease - Polycystic kidney, infantile type
Q61.2	Cystic kidney disease - Polycystic kidney, adult type
Q61.3	Cystic kidney disease - Polycystic kidney, unspecified
Q61.4	Cystic kidney disease - Renal dysplasia
Q61.5	Cystic kidney disease - Medullary cystic kidney
Q61.8	Other cystic kidney diseases
Q61.9	Cystic kidney disease, unspecified
Q79.4	Congenital malformations of musculoskeletal system, not elsewhere classified - Prune belly syndrome
Q87.8	Other specified congenital malformation syndromes, not elsewhere classified
Q89.9	Congenital malformation, unspecified
S37.0	Injury of urinary and pelvic organs - Injury of kidney
T79.1	Certain early complications of trauma, not elsewhere classified - Fat embolism (traumatic)

Code Table 2A - Pancreas Disease ET codes

Nr	Description
1	Diabetes Mellitus type I
2	Diabetes Mellitus type I with nephropathy
5	Diabetes Mellitus type II
6	Diabetes Mellitus type II with nephropathy
4	Other

Code Table 2B - Pancreas Disease ICD10 codes

Code	Description
B25.2	Cytomegaloviral pancreatitis
B26.3	Mumps pancreatitis
C25.0	Malignant neoplasm of pancreas - Head of pancreas
C25.1	Malignant neoplasm of pancreas - Head of pancreas
C25.2	Malignant neoplasm of pancreas - Tail of pancreas
C25.3	Malignant neoplasm of pancreas - Pancreatic duct
C25.4	Malignant neoplasm of pancreas - Endocrine pancreas
C25.7	Malignant neoplasm of pancreas - Other parts of pancreas
C25.8	Malignant neoplasm of pancreas - Overlapping lesion of pancreas
C25.9	Malignant neoplasm of pancreas - Pancreas, unspecified
D13.6	Benign neoplasm of pancreas
D13.7	Benign neoplasm of endocrine pancreas
E10.0	Insulin-dependent diabetes mellitus with coma
E10.0	Insulin-dependent diabetes mellitus with coma
E10.0	Insulin-dependent diabetes mellitus with coma

E10.1	Insulin-dependent diabetes mellitus with ketoacidosis
E10.1	Insulin-dependent diabetes mellitus with ketoacidosis
E10.1	Insulin-dependent diabetes mellitus with ketoacidosis
E10.2	Insulin-dependent diabetes mellitus with renal complications
E10.2	Insulin-dependent diabetes mellitus with renal complications
E10.2	Insulin-dependent diabetes mellitus with renal complications
E10.3	Insulin-dependent diabetes mellitus with ophthalmic complications
E10.3	Insulin-dependent diabetes mellitus with ophthalmic complications
E10.3	Insulin-dependent diabetes mellitus with ophthalmic complications
E10.4	Insulin-dependent diabetes mellitus with neurological complications
E10.4	Insulin-dependent diabetes mellitus with neurological complications
E10.4	Insulin-dependent diabetes mellitus with neurological complications
E10.5	Insulin-dependent diabetes mellitus with peripheral circulatory complications
E10.5	Insulin-dependent diabetes mellitus with peripheral circulatory complications
E10.5	Insulin-dependent diabetes mellitus with peripheral circulatory complications
E10.6	Insulin-dependent diabetes mellitus with other specified complications
E10.6	Insulin-dependent diabetes mellitus with other specified complications
E10.6	Insulin-dependent diabetes mellitus with other specified complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.7	Insulin-dependent diabetes mellitus with multiple complications
E10.8	Insulin-dependent diabetes mellitus with unspecified complications
E10.8	Insulin-dependent diabetes mellitus with unspecified complications
E10.8	Insulin-dependent diabetes mellitus with unspecified complications
E10.9	Insulin-dependent diabetes mellitus without complications
E10.9	Insulin-dependent diabetes mellitus without complications
E10.9	Insulin-dependent diabetes mellitus without complications
E12.0	Malnutrition-related diabetes mellitus with coma
E12.1	Malnutrition-related diabetes mellitus with ketoacidosis
E12.2	Malnutrition-related diabetes mellitus with renal complications
E12.3	Malnutrition-related diabetes mellitus with ophthalmic complications
E12.4	Malnutrition-related diabetes mellitus with neurological complications
E12.5	Malnutrition-related diabetes mellitus with peripheral circulatory complications
E12.6	Malnutrition-related diabetes mellitus with other specified complications
E12.7	Malnutrition-related diabetes mellitus with multiple complications
E12.8	Malnutrition-related diabetes mellitus with unspecified complications
E12.9	Malnutrition-related diabetes mellitus without complications
E13.0	Other specified diabetes mellitus with coma
E13.1	Other specified diabetes mellitus with ketoacidosis
E13.2	Other specified diabetes mellitus with renal complications
E13.3	Other specified diabetes mellitus with ophthalmic complications
E13.4	Other specified diabetes mellitus with neurological complications
E13.5	Other specified diabetes mellitus with peripheral circulatory complications
E13.6	Other specified diabetes mellitus with other specified complications
E13.7	Other specified diabetes mellitus with multiple complications
E13.8	Other specified diabetes mellitus with unspecified complications
E13.9	Other specified diabetes mellitus without complications
E14.0	Unspecified diabetes mellitus with coma

E14.1	Unspecified diabetes mellitus with ketoacidosis
E14.2	Unspecified diabetes mellitus with renal complications
E14.3	Unspecified diabetes mellitus with ophthalmic complications
E14.4	Unspecified diabetes mellitus with neurological complications
E14.5	Unspecified diabetes mellitus with peripheral circulatory complications
E14.6	Unspecified diabetes mellitus with other specified complications
E14.7	Unspecified diabetes mellitus with multiple complications
E14.8	Unspecified diabetes mellitus with unspecified complications
E14.9	Unspecified diabetes mellitus without complications
E15	Nondiabetic hypoglycaemic coma
E16.0	Drug-induced hypoglycaemia without coma
E16.1	Other hypoglycaemia
E16.2	Hypoglycaemia, unspecified
E16.3	Increased secretion of glucagon
E16.4	Abnormal secretion of gastrin
E16.8	Other specified disorders of pancreatic internal secretion
E16.9	Disorder of pancreatic internal secretion, unspecified
E84.0	Cystic fibrosis with pulmonary manifestations
E84.1	Cystic fibrosis with intestinal manifestations
E84.8	Cystic fibrosis with other manifestations
E84.9	Cystic fibrosis, unspecified
K85	Acute pancreatitis
K86.0	Alcohol-induced chronic pancreatitis
K86.1	Other chronic pancreatitis
K86.2	Cyst of pancreas
K86.3	Pseudocyst of pancreas
K86.8	Other specified diseases of pancreas
K86.9	Disease of pancreas, unspecified
K87.0	Disorders of gallbladder and biliary tract in diseases classified elsewhere
K87.1	Disorders of pancreas in diseases classified elsewhere
K90	Intestinal malabsorption
K90.3	Pancreatic steatorrhoea
Q45.0	Agenesis, aplasia and hypoplasia of pancreas
Q45.1	Annular pancreas
Q45.2	Congenital pancreatic cyst
Q45.3	Other congenital malformations of pancreas and pancreatic duct
S36	Injury of intra-abdominal organs
S36.2	Injury of pancreas

Code Table 3A - Liver Disease (Changed to ELTR coding system as of 01-07-2006)

Nr	Description
1	Primary Biliary Cirrhosis
2	Secondary biliary cirrhosis
3	Post-Hepatitis cirrhosis
4	Auto-immune cirrhosis
5	Cryptogenic cirrhosis

6	Other cirrhosis - Specify
7	Sclerosing cholangitis
16	Hepatocellular carcinoma
17	Cholangiocellular carcinoma
18	Other primary Liver malignancies - Specify
19	Secondary Liver tumors
20	Benign Liver tumors
21	Other malignancy - Carcinoma of the biliary tract
22	Other malignancy - Specify
32	Acute Liver Failure - Drugs or toxins induced - Specify
33	Acute Liver Failure - Viral infection - Specify
34	Acute Liver Failure - Other - Specify
43	Metabolic disease - Specify
44	Pediatric: Biliary atresia
45	Pediatric: Cholestatic disease - Specify
46	Pediatric: Other - Specify
57	Vascular: Budd-Chiari syndrome
59	Vascular: Other - Specify
60	Other - Specify

Code Table 3B – Liver disease ELTR codes

Code	Description
A01	Acute hepatic failure - Fulminant or Subfulm hepatitis - Virus A
A02	Acute hepatic failure - Fulminant or Subfulm hepatitis - Virus B
A03	Acute hepatic failure - Fulminant or Subfulm hepatitis - Virus C
A04	Acute hepatic failure - Fulminant or Subfulm hepatitis - Virus D
A05	Acute hepatic failure - Fulminant or Subfulm hepatitis - Other known
A06	Acute hepatic failure - Fulminant or Subfulm hepatitis - Other unknown
A07	Acute hepatic failure - Fulminant or Subfulm hepatitis - Paracetamol
A08	Acute hepatic failure - Fulminant of Subfulm hepatitis - Other drug related: specify
A09	Acute hepatic failure - Fulminant of Subfulm hepatitis - Toxic (non drug)
A10	Acute hepatic failure - Post operative
A11	Acute hepatic failure - Post traumatic
A12	Acute hepatic failure - Others: specify
A13	Subacute hepatitis - Virus A
A14	Subacute hepatitis - Virus B
A15	Subacute hepatitis - Virus C
A16	Subacute hepatitis - Virus D
A17	Subacute hepatitis - Other known
A18	Subacute hepatitis - Other unknown
A19	Subacute hepatitis - Paracetamol
A20	Subacute hepatitis - Other drug related: specify
A21	Subacute hepatitis - Toxic (non drug)

B01	Cholestatic disease - Secondary biliary cirrhosis
B02	Cholestatic disease - Primary biliary cirrhosis
B03	Cholestatic disease - Primary sclerosing cholangitis
B04	Cholestatic disease - Others: specify
C01	Congenital biliary disease - Caroli disease
C02	Congenital biliary disease - Extrahepatic biliary atresia
C04	Congenital biliary disease - Congenital biliary fibrosis
C05	Congenital biliary disease - Choledocal cyst
C06	Congenital biliary disease - Alagille syndrome
C07	Congenital biliary disease - Others: specify
D01	Cirrhosis - Alcoholic cirrhosis
D02	Cirrhosis - Autoimmune cirrhosis
D03	Cirrhosis - Virus B related cirrhosis
D04	Cirrhosis - Virus C related cirrhosis
D05	Cirrhosis - Virus BD related cirrhosis
D06	Cirrhosis - Virus BC related cirrhosis
D07	Cirrhosis - Virus BCD related cirrhosis
D08	Cirrhosis - Virus related cirrhosis - Other viruses (specify)
D09	Cirrhosis - Post hepatitic cirrhosis - Drug related
D10	Cirrhosis - Other cirrhosis : specify
D11	Cirrhosis - Cryptogenic (unknown) cirrhosis
E01	Cancers - Hepatocellular carcinoma and cirrhosis
E02	Cancers - Hepatocellular carcinoma and non-cirrhotic liver
E03	Cancers - Hepatocellular carcinoma - Fibrolamellar
E04	Cancers - Biliary tract carcinoma (Klatskin)
E05	Cancers - Hepatic cholangiocellular carcinoma
E06	Cancers - Hepatoblastoma
E07	Cancers - Epithelioid hemangioendothelioma
E08	Cancers – Angiosarcoma
E09	Cancers - Secondary liver tumors - Carcinoid
E10	Cancers - Secondary liver tumors - Other neuroendocrine
E11	Cancers - Secondary liver tumors - Colorectal
E12	Cancers - Secondary liver tumors - GI non-colorectal
E13	Cancers - Secondary liver tumors - Non-gastrointestinal
E14	Cancers - Other liver malignancies: specify
F01	Metabolic diseases – Wilson disease
F02	Metabolic diseases - Hemochromatosis
F03	Metabolic diseases - Alpha 1 - Antitrypsin deficiency
F04	Metabolic diseases - Glycogen storage disease
F05	Metabolic diseases - Homozygous Hypercholesterolemia
F06	Metabolic diseases - Tyrosinemia
F07	Metabolic diseases - Familial amyloidotic polyneuropathy
F08	Metabolic diseases - Primary hyperoxaluria
F09	Metabolic diseases - Protoporphyria
F10	Metabolic diseases - Other porphyria
F11	Metabolic diseases – Crigler - Najjar
F12	Metabolic diseases - Cystic fibrosis
F13	Metabolic diseases - Byler disease

F14	Metabolic diseases – Others
G	Budd Chiari
H01	Benign liver tumors or Polycystic dis - Hepatic adenoma
H02	Benign liver tumors or Polycystic dis - Adenomatosis
H03	Benign liver tumors or Polycystic dis - Hemangioma
H04	Benign liver tumors or Polycystic dis - Focal nodular hyperplasia
H05	Benign liver tumors or Polycystic dis - Polycystic disease
H06	Benign liver tumors or Polycystic dis - Nodular regenerative hyperplasia
H07	Benign liver tumors or Polycystic dis - Other benign tumors: specify
I01	Parasitic disease - Schistosomia (Bilharzia)
I02	Parasitic disease - Alveolar echinococcosis
I03	Parasitic disease - Cystic hydatidosis
I04	Parasitic disease - Others: specify
J	Other liver diseases

Code Table 3C - Liver disease ICD10 codes

Code	Description
K72.0/B15.0	Acute and subacute hepatic failure/Hepatitis A with hepatic coma
K72.0/B15.9	Acute and subacute hepatic failure/Hepatitis A without hepatic coma
K72.0/B16.0	Acute and subacute hepatic failure/Acute hepatitis B with delta-agent (coinfection) with hepatic coma
K72.0/B16.1	Acute and subacute hepatic failure/Acute hepatitis B with delta-agent (coinfection) without hepatic coma
K72.0/B16.2	Acute and subacute hepatic failure/Acute hepatitis B without delta-agent with hepatic coma
K72.0/B16.9	Acute and subacute hepatic failure/Acute hepatitis B without delta-agent and without hepatic coma
K72.0/B17.0	Acute and subacute hepatic failure/Acute delta-(super)infection of hepatitis B carrier
K72.0/B17.1	Acute and subacute hepatic failure/Acute hepatitis C
K72.0/B17.8	Acute and subacute hepatic failure/Other specified acute viral hepatitis
K72.0/B19.0	Acute and subacute hepatic failure/Unspecified viral hepatitis hepatic with coma
K72.0/B19.9	Acute and subacute hepatic failure/Unspecified viral hepatitis without hepatic coma
K72.0/Y45.5	Acute and subacute hepatic failure/Aminophenol derivatives
K72.0/Y57.9	Acute and subacute hepatic failure/Drug or medicament, unspecified
K72.0/K71.2	Acute and subacute hepatic failure/Toxic liver disease with acute hepatitis
K72.0/K91.8	Acute and subacute hepatic failure/Other postprocedural disorders of digestive system, not elsewhere classified
K72.0/T79.8	Acute and subacute hepatic failure/Other early complications of trauma
K72.0	Acute and subacute hepatic failure
K74.3	Primary biliary cirrhosis
K74.4	Secondary biliary cirrhosis
K83.0	Cholangitis
K83.1	Obstruction of bile duct
K83.8	Other specified diseases of biliary tract
Q44.0	Agenesis, aplasia and hypoplasia of gallbladder
Q44.1	Other congenital malformations of gallbladder
Q44.2	Atresia of bile ducts
Q44.3	Congenital stenosis and stricture of bile ducts

Q44.4	Choledochal cyst
Q44.5	Other congenital malformations of bile ducts
Q44.7	Other congenital malformations of liver
K70.3	Alcoholic cirrhosis of liver
K74/K75.4	Fibrosis and cirrhosis of the liver/Autoimmune hepatitis
K74/B18.0	Fibrosis and cirrhosis of the liver/Chronic viral hepatitis B with delta-agent
K74/B18.1	Fibrosis and cirrhosis of the liver/Chronic viral hepatitis B without delta-agent
K74/B18.2	Fibrosis and cirrhosis of the liver/Chronic viral hepatitis C
K74/B18.8	Fibrosis and cirrhosis of the liver/Other chronic viral hepatitis
K71.7	Toxic liver disease with fibrosis and cirrhosis of liver
K74.6	Other and unspecified cirrhosis of liver
C22.0/M8170/3	Liver cell carcinoma/Hepatocellular carcinoma NOS (C22.0)
C22.0/M8171/3	Liver cell carcinoma/Hepatocellular carcinoma, fibrolamellar (C22.0)
C22.1/M8162/3	Intrahepatic bile duct carcinoma/Klatskin's tumour (C22.1)
C22.0/M8180/3	Liver cell carcinoma/Combined hepatocellular carcinoma and cholangiocarcinoma (C22.0)
C22.2/M8970/3	Hepatoblastoma/Hepatoblastoma (C22.0)
C22.7/M9133/3	Other specified carcinomas of liver/Epithelioid haemangioendothelioma, malignant
C22.3/M9120/3	Angiosarcoma of liver/Haemangiosarcoma
C78.7/E34.0	Secondary malignant neoplasm of liver/Carcinoid syndrome
C78.7	Secondary malignant neoplasm of liver
C78.7/C18.9	Secondary malignant neoplasm of liver/Colon, unspecified
C78.7/C26.0	Secondary malignant neoplasm of liver/Intestinal tract, part unspecified
C78.7/C80	Secondary malignant neoplasm of liver/Malignant neoplasm without specification of site
C22.7	Other specified carcinomas of liver
E83.0	Disorders of copper metabolism
E83.1	Disorders of iron metabolism
E88.0	Disorders of plasma-protein metabolism, not elsewhere classified
E74.0	Glycogen storage disease
E78.0	Pure hypercholesterolaemia
E70.2	Disorders of tyrosine metabolism
E85.1	Neuropathic heredofamilial amyloidosis
E74.8	Other specified disorders of carbohydrate metabolism
E80.0	Hereditary erythropoietic porphyria
E80.2	Other porphyria
E80.5	Crigler-Najjar syndrome
E84.-	Cystic fibrosis
E84.8	Cystic fibrosis with other manifestations
E88.8	Other specified metabolic disorders
I82.0	Budd-Chiari syndrome
D13.4/M8170/0	Liver/Liver cell adenoma (D13.4)
D13.4/M8220/0	Liver/Adenomatous polyposis coli (D12.-)
D18.0	Haemangioma, any site
K76.8	Other specified diseases of liver
Q44.6	Cystic disease of liver
B65.9	Schistosomiasis [bilharziasis], unspecified
B67.5	Echinococcus multilocularis infection of liver
B67.0	Echinococcus granulosus infection of liver
B89	Unspecified parasitic disease

Code Table 4A - Heart Disease ET codes

Nr	Description
1000	Dilated Cardiomyopathy - Idiopathic
1009	Dilated Cardiomyopathy - Non-idiopathic - specify
1050	Restrictive Cardiomyopathy - Idiopathic
1059	Restrictive Cardiomyopathy - Non-idiopathic - specify
1200	Coronary Artery Disease
1201	Hypertrophic Cardiomyopathy
1202	Valvular Heart Disease
1203	Congenital Heart Disease
1204	Cardiac Cancer - specify
1497	Other Cardiac Disease - specify
1498	Other – specify

Code table 4B - Heart disease ICD10 codes

Code	Description
I00	Rheumatic fever without mention of heart involvement
I01	Rheumatic fever with heart involvement
I02	Rheumatic chorea
I05.-	Rheumatic mitral valve diseases
I06.-	Rheumatic aortic valve diseases
I07.-	Rheumatic tricuspid valve diseases
I08.-	Multiple valve diseases
I09.0	Rheumatic myocarditis
I09.1	Rheumatic diseases of endocardium, valve unspecified
I09.2	Chronic rheumatic pericarditis
I09.8	Other specified rheumatic heart diseases
I09.9	Rheumatic heart disease, unspecified
I10	Essential (primary) hypertension
I11	Hypertensive heart disease
I12	Hypertensive renal disease
I13	Hypertensive heart and renal disease
I15	Secondary hypertension
I20	Angina pectoris
I21	Acute myocardial infarction
I22	Subsequent myocardial infarction
I23	Certain current complications following acute myocardial infarction
I24	Other acute ischaemic heart diseases
I25.0	Atherosclerotic cardiovascular disease, so described
I25.1	Atherosclerotic heart disease
I25.2	Old myocardial infarction
I25.3	Aneurysm of heart
I25.4	Coronary artery aneurysm
I25.5	Ischaemic cardiomyopathy
I25.6	Silent myocardial ischaemia

I25.8	Other forms of chronic ischaemic heart disease
I25.9	Chronic ischaemic heart disease, unspecified
I26	Pulmonary embolism
I27	Other pulmonary heart diseases
I27.8	Other specified pulmonary heart diseases
I28	Other diseases of pulmonary vessels
I30	Acute pericarditis
I31	Other diseases of pericardium
I32	Pericarditis in diseases classified elsewhere
I32.0	Pericarditis in bacterial diseases classified elsewhere
I32.1	Pericarditis in other infectious and parasitic diseases classified elsewhere
I32.8	Pericarditis in other diseases classified elsewhere
I33	Acute and subacute endocarditis
I34.-	Nonrheumatic mitral valve disorders
I35.-	Nonrheumatic aortic valve disorders
I36.-	Nonrheumatic tricuspid valve disorders
I37.-	Pulmonary valve disorders
I38	Endocarditis, valve unspecified
I39*	Endocarditis and heart valve disorders in diseases classified elsewhere
I40	Acute myocarditis
I41*	Myocarditis in diseases classified elsewhere
I42.0	Dilated cardiomyopathy
I42.0	Dilated cardiomyopathy
I42.1	Obstructive hypertrophic cardiomyopathy
I42.2	Other hypertrophic cardiomyopathy
I42.3	Endomyocardial (eosinophilic) disease
I42.4	Endocardial fibroelastosis
I42.5	Other restrictive cardiomyopathy
I42.5	Other restrictive cardiomyopathy
I42.6	Alcoholic cardiomyopathy
I42.7	Cardiomyopathy due to drugs and other external agents
I42.8	Other cardiomyopathies
I42.9	Cardiomyopathy, unspecified
I43	Cardiomyopathy in diseases classified elsewhere
I44	Atrioventricular and left bundle-branch block
I45	Other conduction disorders
I46	Cardiac arrest
I47	Paroxysmal tachycardia
I48	Atrial fibrillation and flutter
I49	Other cardiac arrhythmias
I50	Heart failure
I51	Complications and ill-defined descriptions of heart disease
I51.9	Heart disease, unspecified
I52	Other heart disorders in diseases classified elsewhere
I99	Other and unspecified disorders of circulatory system
Q20.-	Congenital malformations of cardiac chambers and connections
Q21.-	Congenital malformations of cardiac septa
Q21.8	Other congenital malformations of cardiac septa
Q22.-	Congenital malformations of pulmonary and tricuspid valves
Q22.-	Congenital malformations of pulmonary and tricuspid valves
Q23.-	Congenital malformations of aortic and mitral valves

Q23.-	Congenital malformations of aortic and mitral valves
Q24.-	Other congenital malformations of heart
Q24.8	Other specified congenital malformations of heart
Q24.9	Congenital malformation of heart, unspecified
Q25.-	Congenital malformations of great arteries
Q26.-	Congenital malformations of great veins
Q27.-	Other congenital malformations of peripheral vascular system
Q27.0	Congenital absence and hypoplasia of umbilical artery
Q28.-	Other congenital malformations of circulatory system
Q28.9	Congenital malformation of circulatory system, unspecified
T86.2	Heart transplant failure and rejection

Code Table 5A - Lung Disease ET codes

Nr	Description
1500	Eisenmenger's Syndrome
1600	Other Congenital - specify
1601	Primary Pulmonary Hypertension
1602	Cystic Fibrosis
1603	Inhalation burns / trauma
1604	Idiopathic Pulmonary Fibrosis
1605	Sarcoidosis
1606	Alpha-1 Antitrypsin Deficiency
1607	COPD / Emphysema
1608	Bronchiectasis
1609	Rheumatoid Disease
1610	Occupational Lung Disease - specify
1611	Lymphangioleiomyomatosis
1612	Obliterative Bronchiolitis (non-retransplant)
1613	Other Pulmonary Fibrosis - specify
1614	Pulmonary Vascular Disease
1997	Other Lung Disease
1998	Other – specify

Code Table 5B - Lung Disease ICD10 codes

Code	Description
D86.0	Sarcoidosis of lung
D86.2	Sarcoidosis of lung with sarcoidosis of lymph nodes
E84.-	Cystic fibrosis
E84.0	Cystic fibrosis with pulmonary manifestations
E88.0	Disorders of plasma-protein metabolism, not elsewhere classified
I27.8	Other specified pulmonary heart diseases
I28.9	Disease of pulmonary vessels, unspecified
J44.8	Other specified chronic obstructive pulmonary disease

J44.9	Chronic obstructive pulmonary disease, unspecified
J47	Bronchiectasis
J68.4	Chronic respiratory conditions due to chemicals, gases, fumes and vapours
J70.1	Chronic and other pulmonary manifestations due to radiation
J70.9	Respiratory conditions due to unspecified external agent
J81	Pulmonary oedema
J84.1	Other interstitial pulmonary diseases with fibrosis
J84.8	Other specified interstitial pulmonary diseases
J98.4	Other disorders of lung
M05.1+/J99.0	Rheumatoid lung disease
P27.8	Other chronic respiratory diseases originating in the perinatal period
Q21.8	Other congenital malformations of cardiac septa
Q25.-	Congenital malformations of great arteries
Q26.-	Congenital malformations of great veins
Q27.-	Other congenital malformations of peripheral vascular system
Q27.0	Congenital absence and hypoplasia of umbilical artery
Q28.-	Other congenital malformations of circulatory system
Q28.9	Congenital malformation of circulatory system, unspecified
T27.0	Burn of larynx and trachea
T27.1	Burn involving larynx and trachea with lung
T27.2	Burn of other parts of respiratory tract
T27.3	Burn of respiratory tract, part unspecified
T27.4	Corrosion of larynx and trachea
T86.3	Heart-lung transplant failure and rejection
T86.8	Failure and rejection of other transplanted organs and tissues
Y96	Work-related condition

Code Table 6 - Urgency codes

Code	Description
HU	High Urgent - Heart, Lungs, Liver and Kidney
1A-HU	Unstable on inotropics - Dutch Heart recipients only
1B-HU	Stabilized on inotropics - Dutch Heart recipients only
SU	Special Urgency – Pancreas (Vascularized only)
T	Transplantable - Heart, Lungs, Liver and Pancreas
T	Transplantable (allo-PRA 0-5%) - Kidney
I	Immunized (allo-PRA 6-84%) - Kidney
HI	Highly Immunized (allo-PRA 58-100%) - Kidney
NT	Not Transplantable - All organs
FU	Transplanted - All organs
R	Removed from Waiting List - All organs
D	Deceased - All organs

Code Table 7 – Immuno suppression

Nr	Description
0	None
10	Corticosteroids
21	Azathioprine
22	Cyclophosphamide
23	Other Antimetabolites
24	MMF
25	Methotrexate
26	Mizoribine
27	Everolimus
31	Cyclosporin A
32	Tacrolimus (FK-506)
33	Rapamycin (Sirolimus)
39	Other Cyclosporins
45	ALG
46	ATG
49	ALG or ATG
51	Anti_Pan T M0Ab
59	M0Ab to lymphocytes
70	MPA (Mycophenolic acid)
81	OKT_3 M0Ab
82	IL-2 receptor M0Ab
83	OKT_4 M0Ab
89	M0Ab to epitopes
91	Total lymphoid irradiation (TLI)
92	Plasmapheresis
93	IL-3 receptor antagonist
99	Other

Code Table 8 – Organ detail codes

Code	Description
L_KI	Left kidney
R_KI	Right kidney
BKI	Kidney en block
Wliv	Whole liver
LLiv	Left split liver
Rliv	Right split liver
He	Heart
Llu	Left lung
Rlu	Right lung
HeLu	Heart and both lungs
Pa	Pancreas