

Renalware User Guide

Version History:

- Version 1.0.0 (02-Mar-2025)

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1. User Functions

1.1. Registration & Passwords

1.1.1. New User Registration

If you have not used Renalware previously and are not registered as a User, you need to create an account. Click on the [Sign Up](#) link on the login screen. All fields need to be completed. Best to make your user name the same as your Windows login. Your email address should be your work email (NHS.NET) and this is required for Password reset if you forget your password.

Once you have completed the fields, Save and your account will be created. An Administration user will then be able to activate your account and set your level of access (e.g. Read Only, Clinical, Prescriber etc).

1.1.2. Update Profile

Once you can access your account, you can update your Profile at any time. You access this via your Username at the top of any screen and scroll down to [Update Profile](#).

1.1.3. Forgotten Password

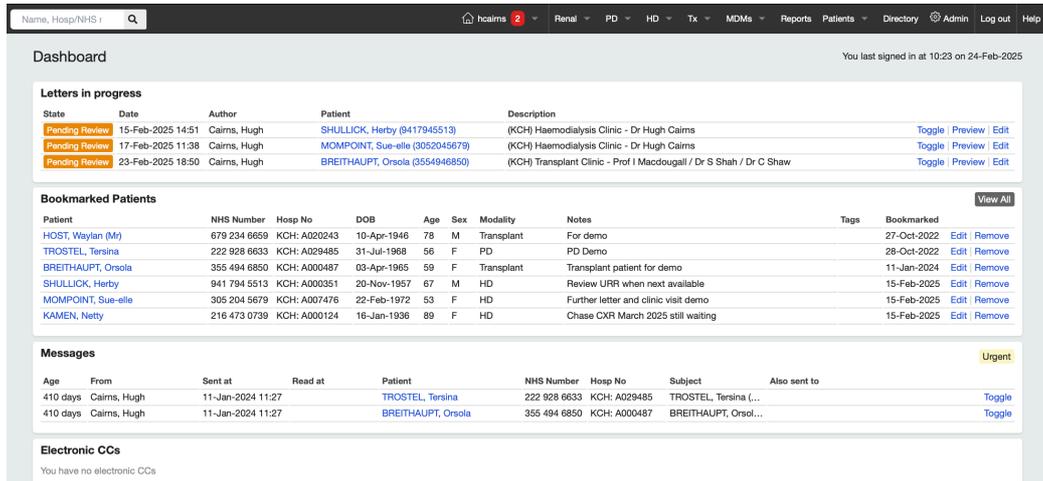
If you forget your password, you can click on the [Forgotten Your Password?](#) link on the Login screen and you will be sent an email enabling password reset for your account.

1.1.4. Password Resets

Per National Cyber-Security Centre guidelines, Renalware does not enforce regular password resets. At each login and on the User dashboard it displays the date and time of the last Log In by the user.

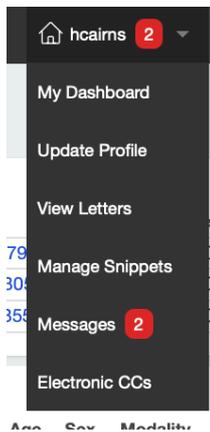
1.2. User Dashboard

Whenever you login to Renalware, the system will display your own Dashboard. This lists outstanding letters, bookmarked patients, any patient messages sent to you by other users and any Renalware letters which have been electronically copied to you.



Main user dashboard

The dashboard can be accessed at any time by clicking on one's username in the main menubar. This displays various User options as follows:



User dropdown menu options

1.2.1. User's Letters

Letters you have as author or typist which are in draft or awaiting review will appear on your dashboard. Once letters are completed and signed off (Archived), they will disappear from your dashboard. Archived letters are visible through the Letters

section so secretaries can use this to print off completed letters (individually or as a batch print). Once printed the letters are marked as Completed.

1.2.2. User’s “Bookmarks”

Bookmarks are a way of creating a list of patients for your personal use with notes to highlight outstanding jobs, awaited results or other issues as you wish. These patients remain bookmarked until you mark the bookmark as completed.

1.2.3. Renalware Messaging

It is possible to message other Renalware users about individual patients and these messages will appear on that user’s Dashboard until they mark the message as Read. Messages are also displayed on the individual patient’s Clinical Summary screen.

1.2.4. CC’ed Letters

Renalware letters can be copied electronically to any Renalware user and these letters appear on the user’s Dashboard. They can be signed off as Read when they will disappear from the Dashboard.

1.2.5. Renalware “Snippets”

Snippets are a useful and flexible way to maintain a collection of text content which can be used virtually anywhere text entry is required – most typically in Letters and Events.

Snippets are managed via the User’s main dropdown menu (see above screenshot), where they can be created, edited, duplicated (“cloned”) and deleted. Hovering over a snippet title in the list gives a preview of the content:

✕	Title	Body	Last used (no. times) ▼	Updated on	
▼	HD Named Nurse letter	I am writing to you as your named nurse to review	23-Feb-2025 18:31 (5)	23-Feb-2025 18:31	Edit Duplicate Delete
▼	Transplant Annual Review	your current situation on haemodialysis. You currently	23-Feb-2025 18:34 (1)	23-Feb-2025 18:34	Edit Duplicate Delete
▼	CAPD clinic proforma [CLONE]	have three a week haemodialysis for X hours each	ever (0)	20-Jul-2021 14:22	Edit Duplicate Delete
▼	dfg	time. We are using the X for dialysis access and plan	ever (0)	24-Aug-2019 13:17	Edit Duplicate Delete
▼	sdf [COPY]	to continue to use this. Your dialysis sessions are	ever (0)	21-Nov-2024 17:43	Edit Duplicate Delete
▼	sdf	Monday Wednesday and Friday mornings and you are	ever (0)	21-Nov-2024 17:42	Edit Duplicate Delete
▼	dfgdfg	happy with this.	ever (0)	24-Aug-2019 13:17	Edit Duplicate Delete
		Blood pressure across dialysis is satisfactory as			
		above and you are on the above medications. Blood			
		pressure does not drop across dialysis and overall			
		you feel quite well.			
		Anaemia: Your most recent blood tests show blank.			
		The haemoglobin was blank and your red blood cells			

Snippets list with hover “preview”

To avoid having to create common snippets (e.g. Letter templates) from scratch, each user has access to the entire list of snippets created by all users. These can then be added (and edited if need be) to a user’s own collection.

Snippets [Create new](#)

Mine **Everyone's**

Search by title or author's name

Author	Title	Body	Last used (no. times)	Updated on
Cairns, Hugh	HD Named Nurse letter	I am writing to you as	23-Feb-2025 18:31 (5)	23-Feb-2025 18:31 Edit Duplicate Delete
Cairns, Hugh	Transplant Annual Review	Date of Transplant:	23-Feb-2025 18:34 (1)	23-Feb-2025 18:34 Edit Duplicate Delete
Cairns, Hugh	dfgdfg	dfgdfgdfg	Never (0)	24-Aug-2019 13:17 Edit Duplicate Delete
Busby, Simon	HD Named Nurse letter [CLONE]	I am writing to you as	Never (0)	20-Jul-2021 14:22 Clone
Cairns, Hugh	CAPD clinic proforma [CLONE]	Previous peritonitis?	Never (0)	20-Jul-2021 14:22 Edit Duplicate Delete

Snippets listing using the “Everyone’s” option

Forms where the use of snippets is enabled will have the “**Insert snippet**” option at right:

Notes

B *I* u [link](#) **☰** **☰** **☰** **☰** **↶** **↷** [Insert snippet](#)

|

New Event form with “Insert snippet” option

Choosing this option will produce a pop-up window with searchable Snippets lists:

Insert snippet ✕

Search by title or author's name

Mine **Everyone's**

Title	Body
Insert HD Named Nurse letter	I am writing to you as your named nurse to review your current situation on haemo
Insert Transplant Annual Review	Date of Transplant:
Insert CAPD clinic proforma [CLONE]	Previous peritonitis?

“Insert snippet” pop-up window

It is best regularly to “prune” the list of snippets to remove obsolete ones and reduce the list sizes.

2. Navigation and Searching

2.1. Main Menu

There is a horizontal menubar of generic functions at the top of most screens (with your user name at the left and Help on the right). If you place the mouse cursor over each function, it displays a drop down list of the options associated with that function so whatever is required can be selected. (Certain Admin-level users will have additional options displayed.)



Main menubar options (for Admin user)

The Main Menubar options include:

- Quick Search
- [username]
- Renal
- PD
- HD
- Tx
- MDMs
- Reports
- Patients
- Directory
- Admin
- Log out
- Help

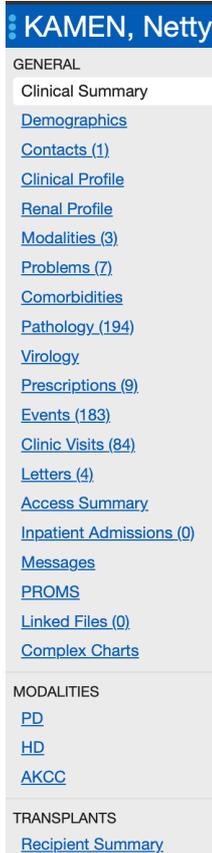
Note: Admin options only appear for users with admin-level privileges.

Of course most Renalware users will only need to use a subset of these menu options. The User's menu bar icon indicates if there are any new messages.

2.2. "Left gutter"

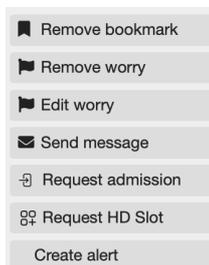
When a patient has been selected, a selection of screens and functions related to that patient is displayed in the left gutter with General Clinical Summary at the top and covering Modalities, Transplantation and specialist functions such as add or

remove Bookmark or Worry or Send a Message. The Left Gutter can be toggled (hidden or displayed) by clicking on the 3 vertical dots to the left of the patient's name.



“Left gutter” navigation bar

At the bottom of the left gutter are additional patient options and other actions:



Additional left gutter patient tools

2.3. Quick Patient Search

At the top left of every screen is a Search area to find individual patients. If you click on this area, you can search for patients by Name or any of their hospital numbers. For example “Smith, John” will find all the patients called John Smith, “smith, j” will find all patients called Smith with a first name starting with J and “Smi” will find all patients whose surname starts with Smi. The name search is not ‘fuzzy’ so “Smith” will not find Smythe but will find Smithe and Smithson.

Searching by name is not case-sensitive.

Any of the patient’s hospital numbers including the NHS number can be searched for in the same field -- these require the exact number.

Once the search has been performed, the patient or list of patients who fulfil that Search is displayed and clicking on a patient’s name in that list takes one to the Clinical Summary page for that patient.

Groups of patients can be found through other screens – for example the HD MDM screen shows HD patients which can be filtered based on, for example, Dialysis Unit, HD Schedule and/or Named Nurse.

Note that one can “bookmark” any given patient, who will thereafter appear in your Bookmarks list on your Dashboard.

2.4. Worryboard Patients

Patients can be added or removed from the Worryboard and notes added; the Worryboard is similar to bookmarking a patient but the list is available to all Renalware users rather than just an individual user. Patients can be added to the Worryboard at the bottom of the left gutter. Patients on the Worryboard can be found through the Worryboard list under the Patients header in the top horizontal menu bar.

Worryboard

Site Category Modality Added by [reset](#)

Name	NHS Number	Hosp No	Sex	Date of Birth	Age	Date Added	Notes	Category	Added By	Modality
Edit MONTEMAYOR, Jodi	674 878 0659	KCH: A033843	F	1964-07-04	60	12-Mar-2018			Beraun, Emilia	Unit HD
Edit VERNON, Robbyn	767 030 1945	KCH: A026071	F	1945-06-28	79	13-Mar-2018			Marbley, Daren	HD
Edit IRVIN, Ephram	307 403 6346	KCH: A022677	M	1979-02-12	46	13-Mar-2018			Marbley, Daren	Transfer Out
Edit SESSUMS, Keri	451 732 3382	KCH: A018870	F	1999-12-08	18	13-Mar-2018			Marbley, Daren	Death
Edit APO, Sandle	619611391	KCH: A035493	F	1994-12-02	23	13-Mar-2018			Iba, Israel	Death
Edit TENNISON, Petra	315 691 2425	KCH: A025215	F	1978-05-29	46	13-Mar-2018			Sammons, Kai	PD
Edit TALUBE, Wallace	776070789	KCH: A034245	M	1994-04-22	30	13-Mar-2018			Iba, Israel	Nephrology
Edit TOCCI, Skylar	923 150 9217	KCH: A013011	M	1931-07-30	93	13-Mar-2018			Barragan, April	HD
Edit BOEHMKE, Bobby	787 787 8206	KCH: A010006	F	1976-10-15	48	13-Mar-2018			Iba, Israel	HD
Edit MUNTEAN, Aidis	111 395 1850	KCH: A021223	M	1977-01-02	48	13-Mar-2018			Iba, Israel	HD
Edit NEDVED, Elsa	122 866 1839	KCH: A029291	F	1980-10-02	44	13-Mar-2018			Iba, Israel	Unit HD
Edit JIMISON, Kym	374 882 8187	KCH: A026215	F	1985-07-27	39	13-Mar-2018			Iba, Israel	Transfer Out
Edit GULBRANDSEN, Stepha	357302877	KCH: A029932	F	1937-11-11	87	13-Mar-2018			Iba, Israel	HD
Edit HALLENBECK, Bernhard	162 945 7655	KCH: A031886	M	1978-12-06	46	13-Mar-2018			Iba, Israel	Transfer Out
Edit PRESTER, Bobine	193 959 7242	KCH: A021844	F	1981-06-23	43	13-Mar-2018			Iba, Israel	Low Clearance
Edit RATCLIFFE, Mayer	808 586 7133	KCH: A030076	M	1986-12-21	38	13-Mar-2018			Iba, Israel	Nephrology
Edit POLKINGHORN, Jere	790 594 4050	KCH: A032147	F	1951-03-27	73	14-Mar-2018			Phan, Kostas	Transfer Out
Edit HICKOK, Nat	580 909 4481	KCH: A018491	F	1975-12-08	49	16-Mar-2018			Hornich, Noel	Low Clearance
Edit DELACY, Yigal	957 953 0513	KCH: A012930	M	1972-10-29	52	19-Mar-2018			Sarullo, Kikella	HD
Edit KOEPKE, Alexander	965 132 8630	KCH: A032464	M	1941-11-03	83	19-Mar-2018			Duemmel, Dyan	HD

Default Worryboard listing

The Worryboard can then be filtered by Hospital Site, Category, Modality and the Worry creator.

Worryboard

Site Category Modality Added by [reset](#)

Name	NHS Number	Hosp No	Sex	Date of Birth	Age	Date Added	Notes	Category	Added By	Modality
Edit TENNISON, Petra	315 691 2425	KCH: A025215	F	1978-05-29	46	13-Mar-2018			Sammons, Kai	PD
Edit PABST, Daffy	407 986 5635	KCH: A015088	F	1931-07-11	93	27-Mar-2018			Phan, Kostas	PD
Edit BARTUSH, Glen	582 843 8697	KCH: A003774	F	1987-10-22	37	28-Mar-2018			Tashman, Corella	PD
Edit STUDENT, Dollie	181 439 1932	KCH: A027874	F	1993-10-30	31	28-Mar-2018			Tashman, Corella	PD
Edit SKLAR, Teodor	168 922 7990	KCH: A009410	M	1968-11-22	56	07-Jun-2018			Barragan, April	PD
Edit TROSTEL, Tersina	222 928 6633	KCH: A029485	F	1968-07-31	56	28-Oct-2022			Cairns, Hugh	PD

Worryboard filtered for PD patients

2.5. Directory

The Directory is a list of all contacts for correspondence held within each site’s Renalware. It can include Clinicians, patients’ relatives and friends and any other individuals to whom one might want to copy patient letters. Many names in the Directory (e.g. relatives) may only be relevant to a single patient whereas many Clinicians may link to many different patients. Names are added directly to the Directory from the top menu bar and then are added to an individual patient’s contacts through the Contacts link in the Left Gutter for that patient.

When a Contact is added for a patient, they can be set up to receive copies of all letters (Default CC) and this can be edited through the Contacts list. When creating a letter for a patient it is easy to add any of a patient’s contacts to receive a copy of the letter or choose the Contact as the primary letter recipient.

3. Patient Functions

3.1. Clinical Summary

Whenever a patient is selected, clicking on the patient’s name takes one to the Clinical Summary screen. This is designed to display a range of useful information for clinicians. At the top, basic demographic information and the patient’s current Modality are shown. Below that is a bar which shows a selection of the most recent blood results and clinic observations. Any Alerts about the patient and any Clinical Studies for which they have been recruited are also displayed in this area.

KAMEN, Netty KCH: A000124 NHS NUMBER: 216 473 0739 SEX: F DOB: 16-Jan-1936 (89y) MODALITY: HD (Syd)

ESRF: 23-Jul-2014 PRD: 23-Jul-2014 Membranous nephropathy–glomerulonephritis [1185] Allergies: Known allergies (19-Feb-2018) Penicillin - angioedema, statin intolerance (muscle pain), intolerance to Ibuprofen, Codeine body swelling, Doxazocin intolerance
 BP: 134/92 21-Feb-25 Wt: 63.4 kg 21-Feb-25 Ht: 1.63 m BMI: 18.9 HGB: 104 23-Jun-22 Creat: 1146 23-Jun-22 Potass: 4.6 23-Jun-22 eGFR: 4.23-Jun-22 Urea: 21.2 23-Jun-22
 A PEDAL participant 25-Mar-2016

Clinical Summary

Problems (7)

Description	Date	Added
Membranous glomerulonephritis	2012	15-Feb-2025
End-stage renal disease	23-Jul-2014	15-Feb-2025
Allergy to penicillin	2015	15-Feb-2025
Lives alone needs housekeeper		15-Feb-2025
Unsupportive children		15-Feb-2025
Igh nephropathy associated with liver disease	07-May-2024	17-Feb-2025
Angina pectoris	Feb-2013	19-Feb-2025

Current Prescriptions (9)

- Aspirin, 150 mg, Oral od - 17-Feb-2025
- Bisoprolol, 5 mg, Oral once daily - 26-Apr-2018
- Calcium carbonate (Adcal), 1 tablet, Other tds/with each meal/snack - 28-Jul-2014
- Doxazosin, 4 mg, Oral once daily - 14-May-2018
- Epoetin alfa (NeoRecormon), 2000 iu, Intravenous twice per week - 15-Feb-2025
- Folic acid, 5 mg, Oral OD - 15-Apr-2011
- Iron-Hydroxide Sucrose Complex Injection (Venofer), 100 mg, Intravenous Once a month - 15-Feb-2025
- Omeprazole, 40 mg, Oral od - 23-Jan-2015
- Ramipril, 10 mg, Oral once daily - 14-May-2018

Letters (4)

Notes	Enc.	State	GP Send	Date	Author	Recipient	Description
		Approved	Pending	17-Feb-2025 11:42	Cairns, Hugh	Netty Kamen, 7 Iowia Plaza, Totton, Scottish Borders, E8 2BF	(KCH) Haemodialysis ...
		Draft	N/A	06-Oct-2023 13:57	Abramoff, Kiele	Dr ROE YOW, THE NUNHEAD SURGERY, 58 NUNHEAD GROVE, NUNHEAD, LONDON, GREATER LOND...	(DWH) Access Assess...
		Completed	N/A	02-Apr-2022 14:27	Lessly, Vernem	9581 Monica Court, Leuchars, Surrey, KW1 5SF	(KCH) Haemodialysis ...
		Completed	N/A	02-Mar-2022 09:59	Lessly, Vernem	532 Duke Avenue, Lockerbie, County Armagh, B1 1LY	(KCH) Haemodialysis ...

Events (10 of 169)

Created on	Type	Description	Date/Time	Created by
16-Oct-2022	Access - Clinic	Grounded s...	16-Oct-2022 19:02	Lorin Kava
13-Oct-2022	Transplant Coordinator	Doomful ill...	13-Oct-2022 09:14	Kostas Phan
12-Oct-2022	Transplant Coordinator	Prenoble b...	12-Oct-2022 16:11	Dunc Cashwell
07-Oct-2022	Haemodialysis Unit	Thwartship...	07-Oct-2022 17:59	Melissent Beu
18-Sep-2022	Haemodialysis	Resole uns...	18-Sep-2022 14:36	Vernem Lessly
18-Sep-2022	Access - Clinic	Mital crunc...	18-Sep-2022 04:08	Lorin Kava
12-Sep-2022	Swab	MRSA: Neg...	12-Sep-2022 09:31	Cati Beseke
28-Aug-2022	Haemodialysis	Shacklebon...	28-Aug-2022 15:39	Vernem Lessly
24-Jul-2022	Haemodialysis Unit	Exploded s...	24-Jul-2022 15:00	Vernem Lessly
05-Jul-2022	Investigation	Cardiac - S...	05-Jul-2022 13:11	Dunc Cashwell

Admissions (0)

Consults (1)

NHS No.	Hosp Nos.	Ward	RRT	Transfer Priority	Priority	Started	Ended
216 473 0739	KCH: A000124		No			01-May-2019	23-Jan-20...

Bookmark

- Chase CXR March 2025 still waiting

Worryboard notes

- Falling Hb

Messages (0)

Main Clinical Summary screen

3.2. Problems List

The next section shows the patient’s clinical Problems list and current Prescriptions. The Problems list displays a mixture of SNOMED Diagnoses and Procedures and free text Problems which are entered on the Problem list screen (SNOMED problems are highlighted in blue). Problems can be edited or archived as required. The order of the Problems is as entered but this can be altered by dragging Problems to be higher or lower in the list using the widget at far right.

KAMEN, Netty KCH A000124 NHS NUMBER 216 473 0739 SEX F DOB 16-Jan-1936 (89y) MODALITY HD (Syd)

ESRF: 23-Jul-2014 PRD: 23-Jul-2014 Membranous nephropathy--idiopathic [1185] **▲ Allergies: Known allergies (13-Feb-2018) Penicillin - angioedema, statin intolerance (muscle pain), intolerance to Irbesartan, Codeine body swelling, Doxazocin intolerance**

BP: 134/82 27-Feb-25 | Wt: 63.4 kg 27-Feb-25 | Ht: 1.83 m | BMI: 18.9 | HGB: 104 23-Jun-22 | Creat: 1146 23-Jun-22 | Potass: 4.8 23-Jun-22 | eGFR: 4.23-Jun-22 | Urea: 21.2 23-Jun-22

▲ PEDAL participant 25-Mar-2015

Problems [Add](#) [Comorbidities](#)

Current

Description	Date	SNOMED ID	Updated on	Updated by	Reorder
Edit Archive Membranous glomerulonephritis	2012	77182004	15-Feb-2025	Hugh Cairns	
Edit Archive End-stage renal disease	23-Jul-2014	46177005	15-Feb-2025	Hugh Cairns	
Edit Archive Allergy to penicillin	2015	91936005	15-Feb-2025	Hugh Cairns	
Edit Archive Lives alone needs housekeeper		160727002	15-Feb-2025	Hugh Cairns	
Edit Archive Unsupportive children			15-Feb-2025	Hugh Cairns	
Edit Archive IgA nephropathy associated with liver disease	07-May-2024	282364005	17-Feb-2025	Hugh Cairns	
Edit Archive Angina pectoris	Feb-2013	194828000	19-Feb-2025	Hugh Cairns	

Archived

Description	Date	SNOMED ID	Archived on	Archived by	Updated on	Recorded by
View Manumit cytophil expressionism krait torpedolike	15-May-2010		15-Feb-2025	Hugh Cairns	15-Feb-2025	System User
View Drinkability incumbent hyperploid gladhearted alphitomorphous	15-May-2010		15-Feb-2025	Hugh Cairns	15-Feb-2025	System User
View Retentiveness nonvolutile ligamentous diabitus reassurance	17-Feb-2012		15-Feb-2025	Hugh Cairns	15-Feb-2025	Emilia Beraun
View Snake boathwoman platybasic aquarelle lydite	09-Sep-2012		15-Feb-2025	Hugh Cairns	15-Feb-2025	Emilia Beraun
View Cunningly goblinder disengagedness arrowy laxia	09-Sep-2012		15-Feb-2025	Hugh Cairns	15-Feb-2025	Emilia Beraun
View Varanid acicula chab florid propriage	11-Nov-2012		15-Feb-2025	Hugh Cairns	15-Feb-2025	Hugh Cairns
View Dexiotrope antitropeo dylath thunderation jugatae	09-Mar-2014		15-Feb-2025	Hugh Cairns	15-Feb-2025	Washington Birklime
View Pseudomonas dermatophtholiba nemotoliba pulcherrima	13-Apr-2018		15-Feb-2025	Hugh Cairns	15-Feb-2025	Ronda Dumbhoff

Problems list where items can be re-ordered or Archived

3.3. Prescriptions

The main Prescriptions screen for a given patient can be accessed from the Clinical Summary or from the left gutter at any time.

Prescriptions [Add](#) [Print...](#)

Drug type: All Provider: Any Give on HD: Any [Filter](#) or [reset](#)

Current [Non-drug](#) [Immunosuppressant](#) [ESA](#) [Add Prescription](#) [Medication Review](#) [Renew HD Prescriptions](#)

Drug name	Drug Type	Form	Dose	Frequency	Route	Give on HD	Stat	Provider	Notes	Prescribed on	Stopped on	Recorded By
Edit Terminate Aspirin	Anti-coag Antiplatelet	Tablet	150 mg	od	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		17-Feb-2025		Hugh Cairns
Edit Terminate Bisoprolol	Cardiac, Hypertension	Tablet	5 mg	once daily	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		26-Apr-2018		Vernen Lessly
Edit Terminate Calcium carbonate (Adcal)	Bone/Calcium/Phosphate	Tablet	1 tablet	tds/with each meal/snack	Other	<input type="checkbox"/>	<input type="checkbox"/>	GP		28-Jul-2014		Chrysler Nabritt
Edit Terminate Doxazocin	Cardiac, Hypertension	Tablet	4 mg	once daily	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		14-May-2018		Vernen Lessly
Edit Terminate Epoetin alfa (NeoRecormon)	ESA	Tablet	2000 iu	twice per week	Intravenous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hospital		15-Feb-2025	15-Aug-2025	Hugh Cairns
Edit Terminate Folic acid		Tablet	5 mg	OD	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		15-Apr-2011		Stefania Udo
Edit Terminate Iron-Hydroxide Sucrose Complex Injection (Venofer)			100 mg	Once a month	Intravenous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hospital		15-Feb-2025	15-Aug-2025	Hugh Cairns
Edit Terminate Omeprazole			40 mg	od	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		23-Jan-2015		Arnold Kariger
Edit Terminate Ramipril	Cardiac, Hypertension	Tablet	10 mg	once daily	Oral	<input type="checkbox"/>	<input type="checkbox"/>	GP		14-May-2018		Vernen Lessly

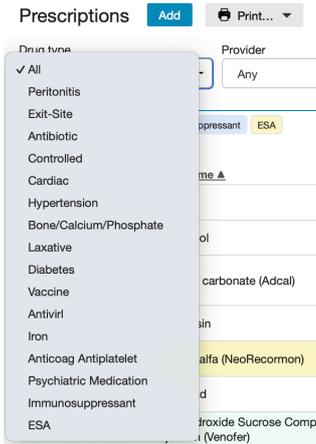
Historical

Drug name	Drug Type	Form	Dose	Frequency	Route	Provider	Notes	Prescribed on	Stopped on	Recorded By	Stopped By
View Aflacalcidol	Bone/Calcium/Phosphate	Capsule	0.5 microgram	od	Oral	GP		16-Nov-2016	16-Apr-2018	Michelle Imgrund	Vernen Lessly
View Aflacalcidol	Bone/Calcium/Phosphate	Capsule	0.75 microgram	od	Oral	GP		19-Apr-2016	16-Nov-2016	Vernen Lessly	Vernen Lessly
View Aflacalcidol	Bone/Calcium/Phosphate	Capsule	0.5 microgram	od	Oral	GP		11-Jan-2016	19-Apr-2016	Vernen Lessly	Vernen Lessly

Prescriptions screen lists current and historical medications

3.3.1. Filtering Prescriptions

The Prescriptions screen includes a filtering option to enable display of only one class of drugs (e.g. anti-hypertensive agents). Use the dropdown options to select the desired filter(s).



Dropdown for filtering prescriptions by type

Filters act on both the current and historical prescriptions.

Current												
Drug name	Drug Type	Form	Dose	Frequency	Route	Give on HD	Stat	Provider	Notes	Prescribed on	Stop on	Recorded By
Bisoprolol	Cardiac, Hypertension	Tablet	5 mg	once daily	Oral	<input type="radio"/>	<input type="radio"/>	GP		26-Apr-2018		Vernen Lessly
Doxazosin	Cardiac, Hypertension	Tablet	4 mg	once daily	Oral	<input type="radio"/>	<input type="radio"/>	GP		14-May-2018		Vernen Lessly
Ramipril	Cardiac, Hypertension	Tablet	10 mg	once daily	Oral	<input type="radio"/>	<input type="radio"/>	GP		14-May-2018		Vernen Lessly

Historical												
Drug name	Drug Type	Form	Dose	Frequency	Route	Provider	Notes	Prescribed on	Stopped on	Recorded By	Stopped By	
Bisoprolol	Cardiac, Hypertension	Tablet	5 mg	once daily	Oral	GP		26-Apr-2018		Vernen Lessly		
Bisoprolol	Cardiac, Hypertension	Tablet	20 mg	od	Oral	GP		21-Jul-2016	25-Oct-2017	Vernen Lessly	Vernen Lessly	
Bisoprolol	Cardiac, Hypertension	Tablet	10 mg	od	Oral	GP		06-Jun-2016	21-Jul-2016	Vernen Lessly	Vernen Lessly	

Filtering current and historical prescriptions

This is a powerful tool to use with patients who have been on a variety of drugs over long periods of time.

3.3.2. Adding Prescriptions

Renalware uses the DM+D drug list from NHS England so drugs are chosen from a searchable drop down list and drug selection then dictates drug form and route of administration.

Add Prescription

Drug	Please select
Form	doxy
* Dose amount	Doxycycline
Unit of measure	Doxylamine + Pyridoxine
* Route	Doxepin
	Betamethasone + Doxycycline + Nystatin
	Please select

Sample drug name search using DM+D

Add Prescription

Drug	Doxycycline
Form	<input checked="" type="checkbox"/> Dispersible tablet <input type="checkbox"/> Solution for injection <input type="checkbox"/> Modified-release capsule <input type="checkbox"/> Oral capsule <input type="checkbox"/> Oral solution <input type="checkbox"/> Oral suspension <input type="checkbox"/> Oral tablet <input type="checkbox"/> Oromucosal gel
* Dose amount	
Unit of measure	
* Route	
* Frequency	
Frequency comment	

The chosen drug dictates the available forms

Each drug has a Start Date and a Stop Date can be entered if required. Drugs can be recorded to be given on HD although this option is only available to Users who are allowed to prescribe on HD.

Any drug which is terminated then appears in the historical Medications section and the display can be filtered to show only certain classes of drugs (see above). Note that if the dose of a medication is changed, the previous prescription is displayed in the historical list.

3.4. Patient Letters, Events, and Consults

Below the current Problem list and Prescriptions section is a display of the most recent 10 letters on Renalware with the most recent at the top. The display shows a summary of the letter information although the text can be expanded or the whole

letter viewed easily.

Below the Letters, the patient’s recent Events and any Consults (patient reviews when under a non Renal team in the hospital) are shown with again a summary which can be expanded as required.

3.5. Clinical Profile

The Clinical Profile (found in the left gutter) is used to enter and display general information about the individual patient including Named Consultant, Named Nurse, Hospital Site if relevant, Preferred Place of Death, whether Diabetic and Alcohol and Smoking history. In addition, Allergies, Virology data including vaccinations, Swabs, Dry Weights, Clinical Frailty Scores and Advanced Care Plans can be seen and entered on this screen.

For patients who have died, information about their death including Place of Death can be recorded.

Dietitians can enter Body Composition data on this screen as well.

The screenshot displays the 'Clinical Profile' interface with the following sections:

- General:** Named consultant: Cairns, Stephen; Named nurse: Brode, Ralph; Hospital centre; Preferred place of...; Preferred place of...
- Death Record:** Update button.
- Allergies:** Add button; Current status: No known allergies; Description, Recorded, By table; Check for allergies; Save button.
- Recent Dry Weights:** View All, Add buttons; Table with columns: Date, Weight (kg), Range, Assessor.

Date	Weight (kg)	Range	Assessor
16-Nov-2023	74.5		Cairns, Hugh
13-Sep-2022	86.5		Cairns, Hugh
14-Jul-2022	88.0		Maylone, Darwin
08-Jun-2022	88.5		Baier, Arlyne
24-Feb-2022	89.0		Brode, Ralph
- Clinical Frailty Scores:** 1 of 1 View All; Table with columns: Created on, Score, Date/Time, Created by.

Created on	Score	Date/Time	Created by
11-Jan-2024	4, Vulnerable	15-Nov-2023 18:42	Hugh Cairns
- Advanced Care Plans:** 1 of 1 View All; Table with columns: Created on, State, Date/Time, Created by.

Created on	State	Date/Time	Created by
11-Jan-2024	ACP in progress	05-Dec-2023 18:43	Hugh Cairns
- Diabetes:** Diabetes Yes (01-Jan-2004)
- Virology:** Edit button
- History:** Alcohol, Smoking
- Swabs:** Add button; Table with columns: Date/Time, Type, Result, Site, Notes.

Date/Time	Type	Result	Site	Notes
15-Aug-2022 16:05	MRSA	Negative	nose, groin, throat and exit site	Superpure teinland octogamy ditone baiky
21-Jun-2022 10:00	MRSA	Negative	hd line exit site	Crenometer anapnoeic glyceryl melanoconaceous iambic
15-May-2022 01:00	MRSA	Negative	multiple swab sites	Fluttery breaden depaganize knowe nonpropitiation
24-Apr-2022 01:00	MRSA	Negative	HD line exit site	Gnomed picrotin maize brassidic thermometric
13-Mar-2022 00:00	MRSA	Negative	HD line exit site	Distrainable unthank ramekin lovabile lichenist
13-Feb-2022 00:00	MRSA	Negative	multiple swab sites	Beryx minxship dartagnan averthoa roller
12-Dec-2021 00:00	MRSA	Negative	HD line exit site	Nightdress prostrative aduek electriciam collyrite
14-Nov-2021 00:00	MRSA	Negative	multiple swab sites	Sion unornithological proffilessly lumn pride
10-Oct-2021 01:00	MRSA	Negative	HD line exit site	Eremopteris wallingly erastianize heteroediam ficary
08-Aug-2021 01:00	MRSA	Negative	multiple swab sites	Ungentelness substory singleingly fumigate cerebromedullary

Clinical Profile screen

4. Letters Module

4.1. Letter Creation

Letters are one of the most powerful components of Renalware as they create an extensive record of the patient’s history with details of the patient’s Problem List, Medications, Observations and Pathology results at the time of the letter creation.

Letters can be created from the Letters page (choosing Clinical Letter, Clinic Visit Letter or Simple Letter). Simple Letters do not display Problem List, Medications or Pathology Results. A Clinical Letter will generate a letter not linked to a particular clinic visit.

4.2. Clinic Visit Letters

These are among the most common and important letters generated in Renalware.

Once a Clinic Visit has been created, a letter can be created from the Clinic Visit list for that patient (Clinic Visits in the Left Gutter) or from the complete list of Clinic Visits (under Renal in the top menu bar) which can be filtered by Clinic, Clinician and a Date Range.

	Date	DNA	Patient	NHS Number	Sex	Age	Modality	Clinic Type	BMI	BP	Created by	
Edit Delete Draft Letter	21-Feb-2025	No	KAMEN, Netty	2164730739	F	89	HD	Haemodialysis Clinic	18.9	134/82	MDM	Cairns, Hugh
Edit Delete Draft Letter	21-Feb-2025	No	MOMPPOINT, Sue-elle	3052045679	F	53	HD	Haemodialysis Clinic	29.5	156/87	MDM	Cairns, Hugh
Edit Delete Draft Letter	21-Feb-2025	No	SHULLICK, Herby	9417945513	M	67	HD	Haemodialysis Clinic	24.0	165/92	MDM	Cairns, Hugh
Edit Delete Preview Letter	18-Feb-2025	No	BREITHAUPT, Orsola	3554946850	F	59	Transplant	Transplant Clinic	27.8	134/83	MDM	Cairns, Hugh

Clinic Visits list with “Draft Letter” option to create a new Clinic Letter

Selecting **Draft Letter** will start the Letter Creation. As can be seen in the sample below, the information from the Clinic Visit (BP, weight, etc) will be displayed at the top of the page as an *aide memoire* including any notes made by the clinician at the time of the visit. The data from the clinic visit is then automatically inserted into the body of the letter.

Letters / New Clinical Letter

Clinic Visit	
Date	21-Feb-2025
Location	
Did not attend	No
Clinic	Haemodialysis Clinic
BP	134/82
Standing BP	
Pulse	84
Temperature	
BMI	18.9
Urine Blood	Negative
Urine Protein	Negative
Urine Glucose	+
Notes	<p><div>&nbsp;pI am writing to you as your named nurse to review your current situation on haemodialysis. You currently have thrice a week haemodialysis for X hours each time. We are using the X&nbsp;for dialysis access and plan to continue to use this. Your dialysis sessions are Monday Wednesday and Friday mornings and you are happy with this.

Blood pressure across dialysis is satisfactory as above and you are on the above medications. Blood pressure does not drop across dialysis and overall you feel quite well.

Anaemia: Your most recent blood tests show blank. The haemoglobin was blank and your erythropoietin () dose remains unchanged/was recently changed.

Dialysis biochemistry: Calcium and phosphate are satisfactory as is the PTH. The most recent URR was blank.

Transplantation:

Transport: you currently make your own way to dialysis.&nbsp;</div></p>
Header	
: Letterhead	<input type="text"/>
: Topic	<input type="text"/>
: Author	Cairns, Hugh

Pathology

Problems and Prescriptions Toggle

Main Recipient

Primary Care Physician ROE YOW, 58 NUNHEAD GROVE, NUNHEAD, LONDON, GREATER LONDON, SE15 3LY, United Kingdom
 Patient Nelly Kamen, 7 Iowa Plaza, Totton, Scottish Borders, E8 2BF
 Patient's Contact

If not the recipient, the patient will be CC'd on the letter.

Creating a new Clinical Letter from a Clinic Visit

The fields for the letter type (Letterhead and Topic) will need to be selected but, if you are doing a series of letters related for example to the same clinic, these fields will be auto-populated in subsequent letters. The primary recipient of the letter defaults to the GP with copy to the patient unless they have opted out of receiving copies of their letters. The Primary Recipient is easily changed to be the Patient (in which case the letter is copied to the GP).

After the letter is composed, electronic CCs can be added. Any CC from the patient's Contacts in the Directory and electronic CC (any Renalware) can be selected at this stage. Named Nurses automatically receive an electronic CC of all letters on their patients.

Additional CCs

Ashby, Damien - Imperial College NHS Foundation Trust, The Renal Unit, Hammersmith Hospital, 72 Du Cane Road, London, W12 0HS Foreign Physician

[Add new person to the list](#)

Electronic CCs

CC electronically to

Message

Salutation

Online References / QR Codes

Admin

Internal Notes

Enclosures

Bottom of Clinical Letter form including CC recipient options.

The Notes from the Clinic Visit can be selected to appear in the body of the letter or a Snippet from your or anyone else’s Snippet list can be selected. Equally Voice Recognition with Direct Dictation can be used to complete the body of the letter. Once the letter is completed, click on **Create** and the formatted letter is then displayed.

This can be then Submitted for Review so will appear on the Author and, if different, the typist’s Dashboard. Draft and Unarchived letters also appear in the patient’s Clinical Summary screen and the Letters screen. The author than can review the letter, make any required changes and then can **Approve** and **Archive**. The user is warned that, once Archived, a letter cannot be retrieved and will be sent electronically to the Trust EPR and usually the GP surgery and will be available for printing as required by the secretarial team.

4.3. Letters for Printing

Although Letters in Draft and Awaiting Review can be printed to create a hard copy, Printing an Archived Letter changes the Letter status to *Completed* to indicate that the letter requires no further action. Archived letters awaiting printing can be found in Letters under the Renal function in the top menu bar. This list can be filtered to find letters in a particular state (for printing usually will be Archived (Ready to Print) and letters can be batched printed and also Envelope Printed if using a Envelope Stuffer. The system will calculate the number of copies of a letter required; for

example, if the letter has been emailed to the GP and is only being sent to the patient, a single copy will be required whereas another letter may not have been emailed to the GP surgery and also have 2 CCs so will require 4 copies.

Letters

All Batch Printable Deleted GP Connect

Enclosure Notes State Author Hsia, Michaela Typist Letterhead Clinic Visit Clinic Pages

GP Send Select Value Reset

	Notes	Enc.	Type	State	GP Send	Patient	NHS No	Date	Author	Typist	Pages	Recipient	Description
View Print			Clinical	Approved	N/A	GULLION, Kore	426 722 6040	24-May-2022 18:50	Hsia, Mich...	Hsia, Mich...	4	Maywoo...	(KCH) Hae...
View Print			Clinical	Approved	N/A	ARTHURS, Georgeanne	402 688 3788	24-May-2022 18:42	Hsia, Mich...	Hsia, Mich...	2645	Mapl...	(KCH) Hae...
View Print			Clinical	Approved	N/A	WILLY, Junette	866 965 1874	24-May-2022 18:37	Hsia, Mich...	Hsia, Mich...	07851	Sain...	(KCH) Hae...
View Print			Clinical	Approved	N/A	KEA, Kathi	340 146 4795	24-May-2022 18:25	Hsia, Mich...	Hsia, Mich...	049	Sherm...	(KCH) CKD...
View Print			Clinical	Approved	N/A	VANVELDHUIZE, Trish	410 747 5824	24-May-2022 18:21	Hsia, Mich...	Hsia, Mich...	530	Eagle ...	(KCH) CKD...
View Print			Clinical	Approved	N/A	RETTKOWSKI, Maury	896 091 3308	24-May-2022 18:17	Hsia, Mich...	Hsia, Mich...	72	Porter T...	(KCH) CKD...
View Print			Clinical	Approved	N/A	PALHEGYI, Catharine	683 077 1072	24-May-2022 18:15	Hsia, Mich...	Hsia, Mich...	4	Springs ...	(KCH) CKD...
View Print			Clinical	Approved	N/A	MILLSPAUGH, Belicia	100 255 7917	24-May-2022 18:00	Hsia, Mich...	Hsia, Mich...	01	Maple A...	(KCH) CKD...
View Print			Clinical	Approved	N/A	HAGLE, Andrea	497 464 4432	24-May-2022 17:48	Hsia, Mich...	Hsia, Mich...	908	Ridgev...	(KCH) CKD...
View Print			Clinical	Approved	N/A	KHAIRALLAH, Cassey	383 827 5302	24-May-2022 17:46	Hsia, Mich...	Hsia, Mich...	8	Oakridge...	(KCH) Res...
View Print			Clinical	Approved	N/A	HOLOMAN, Shina	294 513 0122	24-May-2022 17:44	Hsia, Mich...	Hsia, Mich...	22691	Pra...	(KCH) CKD...
View Print			Clinical	Approved	N/A	RAVENHORST, Jodie	165 730 4396	24-May-2022 17:42	Hsia, Mich...	Hsia, Mich...	97	Basil Av...	(KCH) CKD...
View Print			Clinical	Approved	N/A	LOWEK, Winifield	977317242	24-May-2022 17:38	Hsia, Mich...	Hsia, Mich...	57039	Mic...	(KCH) CKD...

Letters list filtered by author

From the Letters list one can view, print, and mark as printed (these options depend upon a letter’s current status). The following screenshot displays the options for a letter marked APPROVED.

Name, Hosp/NHS: hcains 2 Renal PD HD Tx MDMs Reports Patients Directory Admin Log out

Status: APPROVED Typist: Cairns, Hugh Notes:

THE RENAL UNIT

17-Feb-2025
(KCH) Haemodialysis Clinic - Dr Hugh Cairns
 Clinic: Haemodialysis Clinic on Thu 13-Feb-2025



King's College Hospital
 NHS Foundation Trust

Renal Administration
 King's College Hospital
 Bessemer Road
 London SE5 9RS
Appointments: 020 3299 6244
Fax: 020 3299 6472
Switchboard: 020 3299 9000
GP Email Advice: kch-tr.renal@nhs.net

PRIVATE AND CONFIDENTIAL

Netty Kamen
 7 Iowa Plaza
 Totton
 Scottish Borders
 E8 2BF

Dear Netty Kamen

Ms Netty Kamen (F DOB: 16-Jan-1936: KCH: A000124 NHS No: 216 473 0739)
7 Iowa Plaza, Totton, Scottish Borders, E8 2BF

Problems

- Membranous glomerulonephritis
- End-stage renal disease
- Allergy to penicillin
- Lives alone needs housekeeper
- Unsupportive children
- IgA nephropathy associated with liver disease

Current Medications

- **Aspirin 150 mg Oral od GP 17-Feb-2025 ***
- Bisoprolol 5 mg Oral once daily **GP**
- Calcium carbonate (Adcal) 1 tablet Other tds/with each meal/snack **GP**
- Doxazosin 4 mg Oral once daily **GP**
- Folic acid 5 mg Oral OD **GP**
- Omeprazole 40 mg Oral od **GP**
- Ramipril 10 mg Oral once daily **GP**

Drugs to give on Haemodialysis

- **Epoetin alfa (NeoRecormon) 2000 iu Intravenous twice per week HOSP 15-Feb-2025 ***
- **Iron-Hydroxide Sucrose Complex Injection (Venofer) 100 mg Intravenous Once a month HOSP 15-Feb-2025 ***

Recently Stopped Medications

- fortisip compact (Fortisip Compact) 125 ml Oral bd **GP** 15-Feb-2025
- Simvastatin 20 mg Oral on **GP** 15-Feb-2025

Recent Investigations

23-Jun-2022: HGB 104, WBC 7.20, PLT 253; 23-Jun-2022: URE 21.2; 23-Jun-2022: CRE 1146, (EGFR 4); 23-Jun-2022: NA 140, POT 4.8; 23-Jun-2022: BIC 26; 23-Jun-2022: CCA 2.29, PHOS 1.20; 23-Jun-2022: PTHi 147; 23-Jun-2022: ALB 39; 23-Jun-2022: BIL 3, AST 18, ALP 53, GGT 12;

Allergies: • Penicillin - angioedema, statin intolerance (muscle pain), intolerance to Irbesartan. Codeine body swelling. Doxazocin intolerance

BP: 137/82 **Weight:** 62.5 kg **Height:** 1.83 m **BMI:** 18.7 **Urine Blood:** Negative **Urine Protein:** ++ **Urine Glucose:** Negative

Print options for a Letter that has been Approved by its author.

Note that the **Download** option at top allows the user to download a copy of the letter in either PDF or RTF format.

Ideally at the end of each day, all Archived letters will have been printed to ensure that letters are received by all recipients as quickly as possible. The database can calculate the time from Clinic Visit or Letter Creation to Completion by patient or clinic type, author or typist.

4.4. Electronic Letter Transmission

Depending on systems integration within local IT systems, letters created within Renalware may be sent automatically to the main hospital EPR system and/or to GP practices.

5. Renal Modules

5.1. Renal Profile Screen

Specific data related to Renal patients is recorded through the Renal Profile (left gutter). Each bit of information usually only needs to be entered once although usually this is done over time. Therefore the cause of the renal disease (the primary renal diagnosis (PRD)) may be entered early as can the Date First Seen (this is the date the patient is first reviewed by the/a renal team). Other information such as the date of ESRF and the first RRT modality usually can only be entered later.

SHULLICK, Herby RGH: A000351 DNR: C027672 NHS NUMBER 941 794 5513 SEX M DOB 20-Nov-1957 (67y) MODALITY HD (Syd)

GENERAL
 Clinical Summary
 Demographics
 Contacts (0)
 Clinical Profile

Renal Profile
 Modalities (7)
 Problems (6)
 Comorbidities
 Pathology (140)
 Virology
 Prescriptions (6)
 Events (95)
 Clinic Visits (69)

ESRF: 16-Jan-2013 **PRD:** 16-Jan-2013 Acquired obstructive uropathy/nephropathy [1752] **Allergies:** No known allergies (10-May-2018)
BP: 165/92 21-Feb-25 **Wt:** 86.5 kg 21-Feb-25 **Ht:** 1.9 m **BMI:** 24.0 **HGB:** 110 23-Jun-22 **Creat:** 762 23-Jun-22 **Potass:** 4.8 23-Jun-22 **eGFR:** 6 23-Jun-22 **Urea:** 12.0 23-Jun-22
WMC - Inactive participant 04-Nov-2011 **VERIFYIE pH4 (PASS) participant** 15-Mar-2018

Renal Profile & Comorbidity Data [Edit](#)

Diagnosis & ESRF Info		Comorbidities at ESRF			Address at ESRF Date	
ESRF Date	16-Jan-2013	Name	Recognised	Date	Name	
Weight at ESRF	85.0	Diabetes	Yes	01-Jan-2010	Line 1	869 Dexter Park
Modality at ESRF	HD				Line 2	
Date First Seen	17-Jun-1996				Line 3	
Primary Renal Diagnosis (PRD)	Acquired obstructive uropathy/nephropathy [1752]				Town	Painswick
					County	Tyne and Wear
					Postcode	PE2 2BR
					Country	United Kingdom
Comorbidities Updated						

Sample Renal Profile screen

The data in the Renal Profile is important for the data returns to the UK Renal Registry and is important for local audits. *In the main it is considered best for the PRD to be entered by the consultants for greater accuracy.*

5.2. Haemodialysis (HD)

5.2.1. Finding HD patients

Individual HD patients can be found through the Search field using their Name(s) or any hospital number (local or NHS number). Groups of HD patients can be found through the HD MDM lists (MDM at top of each screen and scroll down to HD). Once in the MDM screen, this can be filtered to find the desired group of patients (e.g. by Hospital unit, HD schedule, Named nurse or Named consultant). The MDM list displays some useful data and each patient's HD Summary screen can be accessed by clicking on their name.

HD MDM Patients Batch Print 17 HD Session Forms Generate 17 Request Forms

All On Worryboard

Site: Dialysing at: Named consultant: Named nurse: Schedule:

Patient	NHS Number	Hosp No	Sex	Age	Access	Access date	Access Plan	Plan Date	Dialysing at	Tx Status	Schedule	Transport	HGB	HGB Date
MDM SHULLICK, Herby	9417945513	KCH: A000351	M	67	Brachial Cephalic fistula	15-Aug-2018	Continue with fistula/graft	01-Jul-2022	Syd	X - working up	Tue Thu Sat AM	No	110	23-Jun-2022
MDM KAMEN, Netty	2164730739	KCH: A000124	F	89	Brachial axillary PTFE graft	01-Mar-0022	Continue with fistula/graft	24-Jul-2022	Syd	Unfit (not listed -- permanent)	Tue Thu Sat AM	No	104	23-Jun-2022
MDM MOMPOINT, Sue-elle	3052045679	KCH: A007476	F	53	Brachial Basilic fistula	28-Jan-2022	Continue with fistula/graft	01-Jul-2022	Syd	Unfit (not listed -- permanent)	Tue Thu Sat AM	Yes: Car	112	05-Jul-2019
MDM CHURCHILL, Halle	5204568964	KCH: A032386	F	86	Brachial Cephalic fistula	06-Dec-2021	Continue with fistula/graft	01-Jul-2022	Syd	X - working up	Tue Thu Sat AM	No	135	05-Jul-2019
MDM DESIATO, Royce	3136689755	KCH: A025803	M	62	Radial cephalic fistula	27-Nov-0019	Continue with fistula/graft	28-Jun-2022	Syd	Unfit (not listed -- reconsider)	Tue Thu Sat AM	No	104	05-Jul-2019

Sample HD MDM list filtered by dialysis site and schedule

5.2.2. Enabling an HD Profile

To enable the creation of the HD Profile, record HD sessions and other HD database functions, the patient has to have a Modality of HD. This is created via the Modality screen (available from the left gutter for each patient). Once a patient has an HD Modality, the HD screens can be accessed via the HD link in the left gutter. When clicked, this takes the user to the HD Summary screen for that patient.

5.2.3. HD Summary

The HD Summary screen displays the following:

- Current and previous HD Profiles
- HD Access Profile
- Virology
- Dry Weights
- HD Schedule and Preferences
- Latest HD Sessions

HD Summary MDM Print HD Session Form + Add... Record HD Drugs

HD Profile Toggle full profile Edit View **VND Risk Assessments** Guide Add **Virology** Edit

Last Update: 14-Mar-2018 17:10 by Cinnamon, Shanon
 Schedule: Mon Wed Fri PM
 Scheduled time: Bromley (Brom)
 Hospital unit: 3:30
 Prescribed Time: HD
 HD Type: HD
 Substitution %: Cinnamon, Shanon
 Named Nurse: FX CorDiax 80
 Dialyser: Home Machine Id...
 Dialysate: Fresenius A7
 Cannulation Type: Enoxyparin
 Anticoagulant: Enoxyparin

HD Profile History (1 of 1) View All

Started	Stopped	Type	Time
View	05-Mar-2018	21-Jun-2022	HD 3:30

Latest HD Sessions Add Add DNA Session View All Sessions View All Drugs Given

Details	Date	Site	Time	Dur	Weight	Pulse	Temp	RR	BM	BP	AP	VP	Blood flow	Litres proc	Fluid rem	Machine	No	KTv	URR	
View	05-Feb-2024	Brom	Did not attend																	
Sign Off	24-Aug-2023	Brom	11:40																	
View	25-Oct-2022	Brom	07:35	3:30	49.3	54	36.5		10.6	161 / 63			300	54.6	1.5		97463	1.57	74	
		TLN L/R	11:05		48.2 (-1.1)	53			9.6	171 / 60	-161	63								
View	23-Oct-2022	Brom	16:38	3:30	50.1	52	37.0		9.9	130 / 54			300	62.8	1.5		97459	1.66	76	
		TLN L/R	20:08		49.3 (-0.8)	49	36.7		6.9	195 / 60										

HD Summary screen with recent sessions listing

5.2.4. HD Profile

Use the **Add** button to create an HD Profile for a new patient. If the patient has an existing HD profile, this option will be unavailable and therefore use the **Edit** button to amend the existing HD profile where appropriate. This information is important to help define each HD session, pre-populate some fields for each HD session and help find groups of patients (e.g. having dialysis on M/W/F in the morning).

The HD Profile can be accessed from the left gutter (for patients with an HD modality) or from the HD MDMs list for patient review.

KAMEN, Netty KCH A000124 NHS NUMBER 216 473 0739 SEX F DOB 16-Jan-1936 (89y) MODALITY HD (Syd)

ESRF: 23-Jul-2014 PRD: 23-Jul-2014 Membranous nephropathy - idiopathic [1185] ⚠ Allergies: Known allergies (19-Feb-2018) Penicillin - angioedema, statin intolerance (muscle pain), intolerance to irbesartan, Codeine body swelling, Doxazocin intolerance
 BP: 134/82 21-Feb-25 WS: 63.4 kg 21-Feb-25 HC: 1.63 m BMI: 18.9 HGB: 104 23-Jun-22 Creat: 1146 23-Jun-22 Potass: 4.8 23-Jun-22 eGFR: 4.23-Jun-22 Urea: 21.2 23-Jun-22

⚠ PEDAL participant 25-Mar-2015

HD Profile Toggle full profile Edit View **Recent Dry Weights** View All Add

Last Update: 22-Feb-2025 15:13 by Cairns, Hugh
 Schedule: Tue Thu Sat AM
 Scheduled time: Sydenham (Syd)
 Hospital unit: 3:30
 Prescribed Time: HD
 HD Type: HD
 Substitution %: Beu, Melsent
 Named Nurse: FX CorDiax 100
 Dialyser: Home Machine Id...
 Dialysate: Fresenius A7
 Cannulation Type: Rope Ladder
 Anticoagulant: Enoxyparin

Virology Edit

Additional Information

Latest Pre mean BP 0 / 0
 Latest Post mean BP 0 / 0
 Latest Dry Weight (kg) 63.5 (26-Aug-2022)
 Latest URR 79 (23-Jun-2022)
 Transplant status **Unfit (not listed - permanent)** since 14-Nov-2024

Ease of Needing (MAGIC) 1 of 1 Add

Ease	Date	Assessor
Easy	19-Feb-2025	Cairns, Hugh

Recent Pathology View All

Date	WBC	URE	URAT	TP	POT	PLT	PGLU	NA	KFRES	KFRI2	HGB	GLO	EGFR	CRE	ALB
23-Jun-2025	7.20	21.2		67	4.8	253		140			104	28	4	1146	39
26-May-2022	8.32	20.8		67	5.8	222	5.1	133			105	27	5	968	40
21-Apr-2022	7.57	18.4		67	4.6	220	6.7	137			102	26	4	1126	41
05-Apr-2022	9.26					208					98				

Recent Dry Weights

Date	Weight (kg)	Range	Assessor
26-Aug-2022	63.5		Orrill, Aloysia
26-Aug-2022	63.5		Orrill, Aloysia
16-May-2022	64.0		User, System
15-Dec-2021	64.5		Woodcock, Patty
17-Oct-2021	64.0		Lessly, Vernem

Access Edit View

Type: Brachial axillary PTFE graft
 Side: Left
 Plan: Continue with fistula/graft
 Plan date: 24-Jul-2022 15:34
 Notes:

VND Risk Assessments Guide Add

Overall risk	Date	Assessor
High	16-May-2023	Tester, MSE

Worryboard Added 15-Feb-2025 by Cairns, Hugh

Falling Hb

Prescriptions 9 of 9 Toggle View All Update

HD Profile as displayed from the MDM list

5.2.5. HD Access

These fields can be accessed using the **Add** or **Edit** buttons on the HD Summary screen or via the Access Summary link in the left gutter. Tracking access procedures and recording current HD access improves data quality and pre-populates the access fields for each recorded HD session. Recording the Access Plan for each patient enables staff to identify more easily patients who require access interventions or are awaiting a procedure.

Access Summary [Add...](#)

Current Access Profile [View](#) [Edit](#)

Formed On: 24-Feb-0022
 Type: Brachial axillary PTFE graft
 Side: Left
 Start Date: 01-Mar-0022
 Notes:

Access Profile History [Add Profile](#)

View	Edit	Formed On	Start Date	Term. Date	Type	Side
View	Edit	01-May-2019			Brachial Cephalic fistula	Right
View	Edit	24-Feb-0022	01-Mar-0022		Brachial axillary PTFE graft	Left

Current Access Plan [View](#) [Edit](#)

Created at: 24-Jul-2022 15:34
 Decided by: Lessly, Vernen
 Plan type: Continue with fistula/graft
 Notes:

Plan History

View	Created	Terminated	Plan	Notes	Decided by
View	24-Jul-2022		Continue with fistula/graft		Lessly, Vernen

Procedure History [Add Procedure](#)

View	Edit	Performed	Procedure	Side	Performed By	First Use
View	Edit	27-Dec-2017	Other Procedure		Dr X	
View	Edit	24-Dec-2017	Vascath fem (NLN LF)	Right	Dr X	
View	Edit	17-Oct-2017	Fistulogram		Dr X	
View	Edit	01-Dec-2016	Other Procedure		Dr X	
View	Edit	17-Nov-2016	Other Procedure		Dr X	

Sample HD Access Summary screen

Note that the Access Plan information for each patient is displayed in the HD MDM listing for easy reference.

Sex	Age	Access	Access date	Access Plan	Plan Date
M	67	Brachial Cephalic fistula	15-Aug-2018	Continue with fistula/graft	01-Jul-2022
F	89	Brachial axillary PTFE graft	01-Mar-0022	Continue with fistula/graft	24-Jul-2022
F	53	Brachial Basilic fistula	28-Jan-2022	Continue with fistula/graft	01-Jul-2022

Access data displayed in the MDM List for HD Patients

5.2.6. Entering HD Sessions

The new session screen allows entry for the following information:

- Sign In
- Sign Off – leave blank if session not completed
- Session Info
- Access
- AVF/AVG Assessment
- Pre Dialysis Observations
- Post Dialysis Observations
- Dialysis
- HDF
- Notes/Complications – the complications default to NO and the user can switch to YES for those complications which have occurred.

Notes/Complications

Was dressing changed?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had MRSA swab?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had MSSA swab?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had intradialytic hypotension?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had saline administration?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had cramps?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had headache?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had chest pain?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had alteplase urokinase?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Had blood transfusion?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Circuit loss?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Blown Fistula / Graft - venous	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Blown Fistula / Graft - arterial	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Multiple Cannulation Attempts	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Prolonged bleeding > 30 mins	<input type="radio"/> Yes	<input checked="" type="radio"/> No

Notes

B I U 🔗
☰ ☷ ☰ ☷
↶ ↷

HD Session Notes & Complications entry

Accurate entry here is obviously essential for audits as well as for ensuring proper clinical care.

Some information will populate from profiles where appropriate. Verification of some default fields will be required when completing the session data (e.g. the user has to confirm that the current Access was used for this HD session). The **“Save and**

Sign-off button is available at top and bottom of the screen.

“Did Not Attend” an HD session is recorded by clicking on the **DNA** HD session button.

5.2.7. Latest HD Sessions

Recent sessions are displayed in the HD Sessions list:

Latest HD Sessions																				Add	Add DNA Session	View All Sessions	View All Drugs Given
Details																			Drugs given				
Date	Site	Access used	Time	Dur	Weight	Pulse		Temp		RR	BM		BP		AP	VP	Blood flow	Litres proc	Fluid rem	Station	Machine		
						Pre	Post	Pre	Post		Pre	Post	Pre	Post							No	KTv	URR
11-Jan-2024	QE		10:20	3:58	75.4	83	36.2	11	4.5	148 / 76	88	35	300	54.0	3.2				43567	1.8	72		
	AVF BC/L		14:18		71.3 (-4.1)	85	36.7	14	4.2	145 / 82													
24-Oct-2022	QE		07:35	4:00	85.2	82	36.2		8.2	143 / 77			-95	140	350	79.0	1.0			97262			
	AVF BC/L		11:35		84.2 (-1.0)	88	36.6		7.5	156 / 86													
22-Oct-2022	QE		07:35	4:19	85.6	85	35.9		9.1	151 / 75			-128	99	300	78.0	1.0			97-262			
	AVF BC/L		11:54		84.8 (-0.8)	88	36.6		8.8	169 / 93													

Latest HD Sessions (“Details” display)

One can toggle between displaying the session details (as above) and displaying any HD drugs administered during a given session:

Latest HD Sessions										Add	Add DNA Session	View All Sessions	View All Drugs Given
Details									Drugs given				
Date	Prescription	Given	Reason not given	Given by	Witness	Witnessed	Notes						
24-Oct-2022	Epoetin alfa (NeoRecormon) - DOSE 6000 iu - Intravenous - 3 times per week	Yes		Cairns, Hugh	Abati, Mead		Sign-off						
24-Oct-2022	Iron-Hydroxide Sucrose Complex Injection (Venofer) (Venofer) - DOSE 100 mg - Intravenous - monthly	Yes		Cairns, Hugh	Abati, Mead		Sign-off						

Latest HD Sessions – drugs administered display

5.2.8. Recording HD Administered Drugs

If a drug has been prescribed to be administered on HD, it can be recorded as given by selecting **Record HD drugs** and choosing the drug from the drop down (only medications which are recorded as “To be given on HD” will appear on this list). This option is available from the HD Summary screen. Drugs must be co-signed by the drug administrator and a co-signatory in order to be recorded as given at the end of the session. The sign-off process is performed by each user entering their password.

5.3. Transplant

5.3.1. Transplant Overview

Renalware handles all aspects of renal transplant care, including Transplant Workups, Recipient Operations, Follow-Ups, and Live Donor Workups. These are described below.

5.3.2. Locating Transplant Patients

You can look up Tx patients by selecting MDMs at the top of RenalWare and selecting Transplant from the black drop-down list. This will take you to a list of all Tx patients – you can filter by site, consultant etc. Select the patient and it will bring up their summary profile.

You can also use the Quick Search function to locate a given patient. Select “**Recipient Summary**” under the Transplant section from the left gutter. This will take you to the Transplant Recipient Summary page.

5.3.3. Transplant Recipient Summary Screen

On this screen you can see Tx status, wait list registration, Status history and Recipient operation details. Click on the blue ‘**Add**’ tab and you can select ‘recipient work up, wait list registration, recipient operation and add investigation’ to update each section with required information.

Transplant Recipient Summary MDM Add...

Transplant Wait List Registration View Edit

Status: **Transplanted** since 18-Apr-2021
 UKT Status:
 Transplant Type:
 Last Update: 07-Apr-2024 07:35 by Hugh Cairns

Status History Update Status

	Start Date	End Date	Status	By
Toggle	18-Apr-2021		Transplanted	User, System
Toggle	09-Dec-2020	18-Apr-2021	Active	User, System
Toggle	30-Apr-2020	09-Dec-2020	X - working up	User, System

Recipient Operations Add

Op Date	Type	Recip Age	Donor Type	Donor Age	Recip CMV	Donor CMV	HLA Mismatch	Failure Date	Failure Cause	Followup
Edit 05-Jul-2018	Kidney only	53 years	Cadaver	23 years	Negative	Negative	0-0-0			View Update

Investigations Add

	Created on	Description	Date/Time	Created by
Edit	29-Sep-2020	Cardiac - Myoview Scan Result: Lorem ipsum delor	29-Sep-2020 01:00	Traci Cerco
Edit	20-Apr-2020	Imaging - Renal US Result: Lorem ipsum delor	20-Apr-2020 01:00	Dunc Cashwell
Edit	20-Apr-2020	Imaging - Doppler Carotids Result: Lorem ipsum delor	20-Apr-2020 01:00	Dunc Cashwell
Edit	24-Feb-2020	Other Result: Lorem ipsum delor	24-Feb-2020 00:00	Dunc Cashwell
Edit	24-Feb-2020	Imaging - CXR Result: Lorem ipsum delor	24-Feb-2020 00:00	Dunc Cashwell
Edit	24-Feb-2020	Cardiac - ECG Result: Lorem ipsum delor	24-Feb-2020 00:00	Dunc Cashwell
Edit	24-Feb-2020	Blood Group Result: Lorem ipsum delor	24-Feb-2020 00:00	Dunc Cashwell
Edit	14-Mar-2019	Other Result: Lorem ipsum delor	14-Mar-2019 00:00	Dunc Cashwell

Transplant Recipient Summary showing status, operations, and recent investigations.

5.3.4. Recipient's Workup

Recipient's Workup – selecting this option from the Summary will then take you to the work up page – fill in as much of this page as possible and click on the blue 'create' tab at the bottom of the page. Select the Transplant Recipient Summary to go back to the main summary page.

5.3.5. Recipient Operation

This option is available from the drop down menu. Complete as much of this page as possible (**required fields** are Op Date, Op Type, Op Site (hospital), Operation Number (i.e. is this the 1st, 2nd or 3rd Tx) Donor type, If live then relationship. If cadaveric go to cadaveric part and enter cadaveric type), Date of operation and click on the blue 'create' tab when done. Select the transplant Recipient Summary to go back to the main summary page.

5.3.6. Follow-Up

On the main summary page under the recipient operations section at the bottom, there is a follow up heading – under in blue writing there is a tab 'Enter Details'. Select this option. It will take you to the follow up page, complete as much of this section as possible (what would be on the follow up paper version), also under the 'Transplant Rejection' heading, click add to add each episode of rejection in. When done click on the blue 'create' tab when done. **It is important that the follow up section is kept updated as and when new follow up details occur.** (This section will be replacing the paper versions of the follow up document we currently complete and send to the renal registry.) If a patient has a rejected transplant you will need to add each rejection in as separate episodes.

Transplant Outcomes

Graft Function Onset: Immediate (1)

Date of last Dialysis Post-Transplant: [Calendar icon]

Stent Removal Date: 22-Jun-2021

Date of Return to Regular Dialysis: [Calendar icon]

Transplant Failed: Yes No

Date of Transplant Failure: [Calendar icon]

Cause of Transplant Failure: [Dropdown menu]

Cause of Transplant Failure (other): [Text input]

Transplant Failure Notes: [Text area]

Date of Graft Nephrectomy: [Calendar icon]

Cardiovascular Complication

Myocardial Infarct: Yes No Unknown [Calendar icon]

Peripheral vascular disease: Yes No Unknown [Calendar icon]

Stroke: Yes No Unknown [Calendar icon]

Transient ischaemic attack: Yes No Unknown [Calendar icon]

Transplant Operation Follow-Up form

5.3.7. Live Donor Workup

Potential Live Kidney Donors can be tracked through Renalware and data recorded related to the workup process and the donor operation. This depends on creating a Live Donor modality for the patient: once this is done, Donor Summary will appear as an option in the Left Gutter and work up and other data can be entered.

ABOUT, Robbi KCH A001965 NHS NUMBER 221 286 0234 SEX F DOB 16-Nov-1966

ESRF: 20-Sep-1995 PRD: Unrecorded **Allergies: Unrecorded**

BP: Wt: Ht: BMI: HGB: Creat: Potass: eGFR: Urea:

Transplant Donor Summary Add... ▾

- Donor (identify a new recipient)
- Donor Workup
- Update Donor Stage
- Donor Transplant Operation
- Add Investigation

Donation Summary

Recipient: **MOMPOINT, Sue-elle (30** Please specify: Sister in law)

State: Volunteered

Mismatch Grade:

Last Update: 28-Feb-2025 09:21 by H

Notes:

Transplant Donor Summary with options displayed

As seen below, the potential recipient for the live donor can be selected from the list of patients in Renalware and entered into the Recipient details section:

[Transplant Donor Summary / Donation / Edit](#)

Recipient

Relationship With Recipient: Other living related - please specify

Other Relationship (if required): Sister in law

Recipient: MOMPOINT, Sue-elle (3052045679)

Blood Group Compatibility: Yes No

Mismatch Grade:

Paired Pooled Donation:

Admin

State: Volunteered

Volunteered on: 10-Feb-2025

First seen on: 12-Feb-2025

Workup completed on:

Donated on:

Notes:

Transplant Donation entry form

Once selected, the Recipient will appear on the Summary screen for easy access of that patient’s records. Equally, once the potential recipient for a Live Donor is selected, the Live Donor will appear on the Recipient Summary providing a link back to the potential donor(s).

Transplant Recipient Summary Add... Some actions require the Transplant modality

Transplant Wait List Registration View Edit

Status: Unfit (not listed -- permanent) since 05-Feb-2015

UKT Status:

Transplant Type: Kidney only

Last Update:

Status History Update Status

	Start Date	End Date	Status	By
Toggle	05-Feb-2015		Unfit (not listed -- permanent)	User, System
Toggle	20-Jan-2013	05-Feb-2015	X - working up	User, System

Potential Live Donors

Name	Relation	State
ABOUD, Robbi (2212860234)	Other living related - please specify (Sister in law)	Volunteered

Transplant Recipient Summary with link to a potential live donor

5.4. Peritoneal Dialysis (PD)

The PD screens are accessed through the Left Gutter. **Many of the screens for PD can only be created if the patient has a Modality of PD.** The main PD Summary screen displays the patient’s current regime and any historical APD/CAPD regimes.

PD Summary MDM Add...

Current APD Regime

Regime Start Date: 20-Feb-2025	Add'l manual exchange?: No
Regime End Date: Pending	Tidal: Yes
Treatment: APD Wet Day	Tidal %: 90 %
Assistance: Connect	Fill volume: 2000 ml
Delivery frequency: 3 weeks	Last fill volume: 1000 ml
On additional HD?: No	Add'l man exchange volume: ml
	Dwell time: 20
	Therapy time: 5:00
	Cycles per session: 6
	Overnight APD volume: 11200 ml
	Total daily volume: 12200 ml
	Machine PAC:

Avg Daily Glucose

Low strength	0 ml
Med. strength	11200 ml
High strength	0 ml

Bags

Type	Description	Vol	No. per week	Days
Ordinary bag	Dianeal PD4 2.27% (Green)	2500 ml	7	Sun, Mon, Tue, Wed, Thu, Fri, Sat
Ordinary bag	Dianeal PD4 2.27% (Green)	2500 ml	7	Sun, Mon, Tue, Wed, Thu, Fri, Sat
Last fill	Extraneal (codextrin 7.5%) (Purple)	2000 ml	7	Sun, Mon, Tue, Wed, Thu, Fri, Sat

CAPD Regimes (3) View All

Started on	Ended on	Treatment	Glucose low strength vol	Glucose med. strength vol	Glucose high strength vol	Updated on
View 05-Dec-2023	05-Dec-2023	CAPD 4 exchanges per day	4200 ml	0 ml	0 ml	05-Dec-2023
View 28-Jun-2018	Pending	CAPD 4 exchanges per day	4200 ml	0 ml	0 ml	19-Aug-2021
View 28-Jun-2018	28-Jun-2018	CAPD 4 exchanges per day	4200 ml	0 ml	0 ml	28-Jun-2018

APD Regimes (5) View All

Started on	Ended on	Treatment	Glucose low strength vol	Glucose med. strength vol	Glucose high strength vol	Updated on
Update View 20-Feb-2025	Pending	APD Wet Day	0 ml	11200 ml	0 ml	20-Feb-2025
View 07-Jan-2024	20-Feb-2025	APD Wet Day	0 ml	11199 ml	0 ml	20-Feb-2025
View 05-Dec-2023	05-Dec-2023	APD Wet Day	0 ml	11199 ml	0 ml	07-Jan-2024
View 28-Oct-2022	05-Dec-2023	APD Wet Day	0 ml	11199 ml	0 ml	05-Dec-2023
View 01-Jan-1971	28-Oct-2022	APD Wet Day	0 ml	12000 ml	0 ml	28-Oct-2022

Main Regimes section of the PD Summary screen

The PD Summary also includes information about any Peritonitis Episodes, Exit Site Infections, Assessments, Training Sessions, and Dry Weights:

Peritonitis Episodes (3)

Diagnosed on	Started on	Ended on	Episode Type	Organisms	Outcome	Updated on
View 05-Oct-2023			Recurrent		Catheter Removed: No	2023-10-05
View 09-Jan-2023			Unknown		Catheter Removed: No	2023-01-09
View 12-Oct-2022	13-Oct-2022		De novo		Catheter Removed: No	2022-10-28

Exit Site Infections (2)

Diagnosed on	Organisms	Outcome	Treatment	Updated on
View 15-Apr-2023		s	s	2023-04-15
View 07-Jan-2023				2023-01-09

PD Assessments

Date recorded	Assessment Date	Assessor	Home visit?	Home Visit Date
Edit View 25-May-2018 14:46	25-May-2018			

PD Training Sessions

Date recorded	Starting Date	Trainer	Site	Type	Duration	Outcome
Edit View 19-Aug-2021 15:39	19-Aug-2021	jones matthew	Hillside Training Centre	APD Baxter	1296000	Unsuccessful
Edit View 29-Jun-2018 16:07	26-Jun-2018		Home	CAPD Fresenius	345600	Successful

Recent Dry Weights View All Add **Latest Line Change Event**

Date	Weight (kg)	Range	Assessor	Date/Time	Type	Created by
24-Nov-2025	72.0		COOPER, BARBARA	Toggle 05-Oct-2022 09:31	PD Line Change	Jerrylee Dantin

PD Summary screen, continued

5.4.1. PD Regime data

For patients starting PD, the PD regime type must be selected (CAPD or APD) and then the data entered for the particular PD regime. As you can see, this covers the type of PD (e.g. APD Wet Day, APD Wet Day Assisted, CAPD with number of exchanges and whether Assisted or not) and then the details about the PD fluid used, the volumes, tidal or not, last fill, additional manual exchanges and whether has additional HD. The Start Date for each PD regime will also be the End Date for any previous PD regime if the patient has one. **For the Last Fill for an APD regime it is important that the bag is entered as a “Last Fill”** so the system knows which fluid is being used as the Last Fill.

Once a patient has an APD or CAPD regime, this can be changed and the current regime is available as a baseline so many adjustments to a PD regime may be very easy to enter. For example, if a CAPD patient is being changed from 4 bags to 5 bags per day with just an additional bag, only the additional bag needs to be entered.

[PD Summary](#) / Edit APD Regime

PD Regime

Treatment:

Assistance:

System:

Delivery interval:

Start date:

End date:

Exchanges done by:

Exchanges done by (if other):

Exchanges done by (if specify):

On additional HD:

Bags

Bag type: <input type="text" value="Baxter Dianeal PD4 2.27% (Green)"/>	Volume (ml): <input type="text" value="2500"/>	Duplicate Remove
Role: <input checked="" type="radio"/> Ordinary bag <input type="radio"/> Last fill <input type="radio"/> Additional manual exchange		
Days to be administered: Deselect all		
<input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thur <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat		

PD Regime Edit form

5.4.2. PD Peritonitis and Exit Site Infections

PD peritonitis data and exit site infection data can be entered and then subsequently edited as new information becomes available. **It is important that the type of PD peritonitis (e.g. De Novo, Recurrent, Relapsing) be recorded** as this is used for audit and also the Quarterly Quality Indicators return.

5.4.3. PD Assessment and PD Training

Prior to starting PD, information about the suitability of a patient for PD can be recorded using the PD Assessment screen. Information about PD training can also be recorded using the PD Training screen.

5.4.4. PET and Adequacy

Biochemistry results for the PET and Adequacy tests can be entered and the PET and Adequacy values are then calculated.

5.5. Access Summary

Information about patients' access for dialysis are recorded and displayed through the Access Summary screen (left gutter). This covers Access Procedures (so both for HD and PD), Access Profile, Access Plan, Access Assessments, Ease of Needling of Vascular Access (MAGIC) and Risk of Venous Needle Dislodgement (VND). Data can be entered via the Add button at the top or by Edit / Add in each section.

Many of these fields are also displayed on relevant other screens elsewhere. For example Access Profile, Access Plan, MAGIC and Risk VND shown on HD screens.

Access Summary [Add...](#)

Current Access Profile [View](#) [Edit](#)

Formed On: 24-Feb-0022
 Type: Brachial axillary PTFE graft
 Side: Left
 Start Date: 01-Mar-0022
 Notes:

Access Profile History [Add Profile](#)

	Formed On	Start Date	Term. Date	Type	Side
View Edit	01-May-2019			Brachial Cephalic fistula	Right
View Edit	24-Feb-0022	01-Mar-0022		Brachial axillary PTFE graft	Left

Current Access Plan [View](#) [Edit](#)

Created at: 24-Jul-2022 15:34
 Decided by: Lessly, Vernen
 Plan type: Continue with fistula/graft
 Notes:

Plan History

	Created	Terminated	Plan	Notes	Decided by
View	24-Jul-2022		Continue with fistula/graft		Lessly, Vernen

Procedure History [Add Procedure](#)

	Performed	Procedure	Side	Performed By	First Use
View Edit	27-Dec-2017	Other Procedure		Dr X	
View Edit	24-Dec-2017	Vascath fem (NLN LF)	Right	Dr X	
View Edit	17-Oct-2017	Fistulogram		Dr X	
View Edit	01-Dec-2016	Other Procedure		Dr X	
View Edit	17-Nov-2016	Other Procedure		Dr X	

Access Summary screen sample

5.6. Advanced Kidney Care Clinic (AKCC)

The AKCC information is entered via the link in the left gutter. The basic information includes Date First Seen in AKCC, Dialysis/RRT Plan and the Date of the Plan, Predicted ESRF Date, Referral Creatinine and then various bits of information about patient education. Some of the information may not be known when first seen and therefore fields may be left blank and completed subsequently.

[AKCC Summary / Profile](#)

Date first seen	<input type="text" value="28-Jan-2013"/>
Dialysis plan	<input type="text" value="HD via AVF"/>
Dialysis plan date	<input type="text" value="11-May-2023"/>
Predicted ESRF date	<input type="text" value="03-Jun-2024"/>
Referral CRE	<input type="text" value="216"/>
Referral eGFR	<input type="text" value="21.0"/>
Referred by	<input type="text" value=""/>
Referred by notes	<input type="text" value=""/>
Education status	<input type="text" value="Attended"/>
Education type	<input type="text" value="Evening"/>
Date attended educ.	<input type="text" value="06-Jan-2015"/>
'Your Kidneys' DVD	<input checked="" type="radio"/> Yes <input type="radio"/> No
'Dialysis Choices' DVD	<input checked="" type="radio"/> Yes <input type="radio"/> No
Tx team referral	<input type="radio"/> Yes <input type="radio"/> No
Referral date	<input type="text" value=""/>
Home HD	<input type="radio"/> Yes <input checked="" type="radio"/> No
Self Care	<input checked="" type="radio"/> Yes <input type="radio"/> No
AKCC access notes	<input type="text" value=""/>

AKCC Profile entry form

Additional information useful for the management of AKCC patients can also be seen and entered on this screen (Clinical Frailty Score and Advanced Care Plan). This information can also be entered and seen on the Clinical Profile (left gutter).

If the AKCC data is changed or updated, the new information will be displayed. Data related to AKCC can be seen on the AKCC MDM screen for each patient and groups of patients found via the AKCC MDM listing from the top banner. Once within the MDM patient list, this can be filtered to find different groups of patients (e.g. based on blood results, whether for Supportive Care, by site, Named Consultant and Named Nurse).

Renalware User Guide - 2 March 2025

AKCC MDM Patients

[All](#)
[Urea > 30](#)
[HGB < 100](#)
[HGB > 130](#)
[On Worryboard](#)
[Supportive Care](#)
[Tx Candidates](#)

Site:
 Named consultant:
 Named nurse:
 Filter

Patient	NHS Number	Hosp No	Sex	Age	Modality	Tx Status	HGB	HGB Date ▼	URE	URE Date	CRE	CRE Date	ESGR	ESRF
MDM ECKE, Vickie	833 056 3731	KCH: A000373	F	62	Low Clearance	X - working up	103	20-Jun-2022	24.1	20-Jun-2022	306	20-Jun-2022	13	
MDM MCWHERTER, Alyce	646 472 4185	KCH: A029075	F	48	Low Clearance	Unfit (not listed -- permanent)	ABC	17-Sep-2019	22.0	03-Jul-2019	352	03-Jul-2019	11	
MDM KILL, Debi	146 785 8745	KCH: A019380	F	27	Low Clearance		106	09-Jul-2019	23.9	09-Jul-2019	397	09-Jul-2019	13	
MDM DOMKOWSKI, Annabela	850 784 9326	KCH: A025206	F	95	Low Clearance	X - working up	130	09-Jul-2019	13.9	09-Jul-2019	238	09-Jul-2019	19	
MDM KUPFERBERG, Madlin	888 038 0583	KCH: A007302	F	36	Low Clearance		129	09-Jul-2019	13.9	09-Jul-2019	404	09-Jul-2019	13	
MDM MBAMALU, Waldemar	394 623 6529	KCH: A015010	M	58	Low Clearance	Unfit (not listed -- permanent)	102	06-Jul-2019	30.5	06-Jul-2019	341	06-Jul-2019	11	

AKCC MDM listing with links to a patient's Summary

The “MDM” link on the list takes the user to the complete AKCC Profile and other relevant information:

AKCC Profile

Date first seen: 28-Jan-2013
 Dialysis plan: HD via AVF
 Dialysis plan date: 11-May-2023
 Predicted eSRF date: 03-Jun-2024
 Referral CRE: 216
 Referred by notes:
 Education status: Attended
 Referral eGFR: 21.0
 Education type: Evening
 Date attended educ.: 06-Jan-2015
 *Your Kidneys' DVD: Yes
 *Dialysis Choices' DVD: Yes
 Tx team referral:
 Referral date:
 Home HD: No
 Self Care: Yes
 AKCC access notes:

Additional Information

Transplant status: X - working up since 05-Dec-2021

Current Problems

Description	Recorded on	Recorded by
Nephrotic syndrome with membranous glomerulonephritis	11-Jan-2024	Hugh Cairns
Kidney biopsy	11-Jan-2024	Hugh Cairns
Chronic kidney disease	11-Jan-2024	Hugh Cairns
Total replacement of hip a. Left hip	11-Jan-2024	Hugh Cairns

Virology

Prescriptions 13 of 13 [Toggle](#) [View All](#) [Update](#)

Recent Pathology

Date	HGB	CHCR	BNP	C MEL	DTOP	CHOL	HBA	GGT	ALP	AST	ALB	PTHI	CCA	PHOS	BIC	POT	NA	EGFR	URE	PLT	WBC	URAT	FER	CRP	TP	RETA	MCH	FOL	CK	BIL	CRE	#SQ PLT	B12	TSH	LDL	HDL	AL	UREP	
20-Jun-2022	103							10	62	19	37	2.25	1.65		4.9	140	13	24.1	331	6.55				62		31.7			8	306									
26-May-2022	111							13	65	22	39				5.5	138	14	21.2	305	7.79			<2.0	66		32.7			9	292									
05-May-2022	115							11	61	22	38	2.45	1.74	27	5.0	138	14	20.7	423	6.68		120	<2.0	65		31.7			7	297									
04-Apr-2022	113							9	74	24	39				5.0	138	13	21.3	247	7.79			<2.0	69		31.8			8	314									
30-Mar-2022	117							11	77	24	40				5.1	138	13	21.2	287	8.00				69		32.5			6	312									
03-Mar-2022	103							12	66	23	39	2.16	1.44	20	4.9	140	16	18.4	291	7.14				66		34.2			6	264									
10-Feb-2022	111							10	69	29	39				5.2	138	13	22.5	274	8.82				67		33.9			6	319									
20-Jan-2022	106							10	69	23	39	250	2.21	1.48	25	5.3	141	15	18.6	272	7.07		159		67	88.4	33.3		7	275									
09-Dec-2021	102							10	59	23	37	2.33	1.10	23	5.3	140	16	16.5	308	5.15		164		65		49.2	32.1		8	255									
26-Nov-2021	108							11	67	21	39				5.3	134	14	17.9	289	6.97			2.0	67		32.6			7	287									
11-Nov-2021	112							12	70	22	35	2.48	1.49	25	5.0	136	12	23.6	302	7.33		172		2.0	68	64.4	32.5		6	338									

AKCC Profile displayed from the MDM list