

QUICKSTART

A series of helpful guides provided by the Information Technology Department

Pharmacy Patient Monitor (PPM)

Overview

The Pharmacy Patient Monitor (PPM) is a workflow MPage view in PowerChart that displays patients who have work items that need pharmacy interaction, such as reviewing inpatient orders needing verification or medication requests needing processing. The list of patients and orders can be searched, sorted, and filtered to meet workflow needs.

For pharmacy staff, beneficial features include:

- Displays work items to be processed in a patient-centric view.
- Displays how long a work item has been queued.
- Prioritises urgent work items i.e. STAT/NOW orders and High/Medium priority medication requests.
- Multiple views can be set up and sorted in various ways.
- Search functionality using different criteria is available.



1. View Selection

2. Search Field

Allow the ability to search for patient by list of parameters. (All, Dispense Location, FIN, MRN, Name etc.)

3. Priority Indicator



Priority Coloured bar indicators prioritise work items on the PPM as follows:

 Red – inpatient orders with a First Dose Priority of STAT and medication requests with a priority of High. • Orange – inpatient orders with a First Dose Priority of NOW and medication requests with a priority of Medium.

• No colour – inpatient orders with either no First Dose Priority or a First Dose Priority of Routine and medication requests with a priority of Low.

4. Sorting view: Patient centric vs Order centric

Patient Centric View



Order Centric View

Pharmacy Pati	Via run screen 2 vinne - 2 runnules a							
View: CHW ord	lers ~			Ⅲ 258 ↓ ^A ‡				
	MRN - Q							Inpatient Orders 220 Medication Request 38
Inpatient Ord	lers							
Room	Name	Status	N	Last Unverified Action	R	Order Description	Start Date/Time	Order Sentence
02	TEST, Dannione	Ordered		Activate		cefaZOLin 1 g, IV Bolus, ONCE, STAT, Stop Date: 21-Sep-23 14:17:00 AEST, Other (specify in indication	21/09/2023 14:17 AEST	cefaZOLin 1 g IV Bolus ONCE
-	UCTEST, Bbone	Ordered		Resume		amoxicillin 30 mg, Oral, 8 hourly, PRN diabetes insipidus, Sinusitis - Acute, Severe infection	09/08/2023 15:51 AEST	amoxicillin 30 mg Oral 8 hourly PRN diabetes insipidus
-	UCTEST, Bbone	Ordered		Activate		methotrexate (methotrexate intrathecal) 12 mg, Intrathecal, chemo-once, Stop Date: 13-Aug-23 8:	13/08/2023 8:00 AEST	Day 38 methotrexate intrathecal 12 mg Intrathecal chemo-once
-	UCTEST, Bbone	Ordered		Order		morphine (morphine PCA/NCA/infusion) Paper Chart, IV Continuous Infusion, As Indicated, PRN pai	09/08/2023 16:52 AEST	morphine PCA/NCA/infusion Paper Chart IV Continuous Infusion As Indicated PRN pain
-	UCTEST, Bbone	Ordered		Order		aspirin 5 mg, Oral, daily, test	10/08/2023 8:00 AEST	aspirin Cap-EC 5 mg Oral daily
-	UCTEST, Bbone	Ordered		Order		olanzapine (olanzapine 210 mg intramuscular modified release injection) 10 mg, Ear-Right, 36	09/08/2023 17:00 AEST	olanzapine 210 mg intramuscular modified release injection 10 mg Ear-Right 36 hourly
	UCTEST, Bbone	Ordered		Order		sevelamer 800 mg, Oral, TDS, PRN with meals (phosphate binder), Phosphate binder, Tablet must be sw	09/08/2023 17:16 AEST	sevelamer Tab 800 mg Oral TDS PRN with meals (phosphate binder)
-	UCTEST, Bbone	Ordered		Order		aspirin 7.5 mg, Oral, 6 hourly, PRN constipation, Kawasaki's disease	09/08/2023 17:33 AEST	aspirin 7.5 mg Oral 6 hourly PRN constipation
	UCTEST, Bbone	Ordered		Order		aspirin 3 mg, Oral, daily, Kawasaki's disease	10/08/2023 8:00 AEST	aspirin 3 mg Oral daily
	UCTEST, Bbone	Ordered		Order		aspirin 12.5 mg, Oral, 6 hourly, Rheumatic fever/anti-inflammatory	09/08/2023 18:00 AEST	aspirin 12.5 mg Oral 6 hourly
-	UCTEST, Bbone	Ordered		Order		naloxone 5 microg, IV Bolus, every 2 minutes, PRN diabetes insipidus, Opioid depression with therapeuti	09/08/2023 18:02 AEST	naloxone Injection 5 microg IV Bolus every 2 minutes PRN diabetes insipidus
02	THREEPIO, See	Ordered		Order		vancomycin (vancomycin intravenous) 120 mg, IV Intermittent Infusion, 6 hourly, Meningitis - Empir	10/08/2023 8:00 AEST	vancomycin intravenous Infusion 120 mg IV Intermittent Infusion 6 hourly
01	MCTEST, Sanity	Ordered		Order		paracetamol 300 mg, Oral, 6 hourly, PRN pain, analgesia	10/08/2023 13:58 AEST	paracetamol 300 mg Oral 6 hourly PRN pain
02	EMMUPGRADE, Passivitytwo	Ordered		Order		salbutamol (salbutamol 2.5 mg/2.5 mL inhalation solution) Nebulised Inhalation, 4 hourly, Asthma	11/08/2023 10:00 AEST	salbutamol 2.5 mg/2.5 mL inhalation solution Nebule 2 puff(s) Nebulised Inhalation 4 hour
02	EMMUPGRADE, Passivitytwo	Ordered		Order		QUETIAPine (quetiapine MR) 150 mg, Oral, night, Modified Release, Psychosis and delusional thought	11/08/2023 11:00 AEST	quetiapine MR 150 mg Oral night
02	EMMUPGRADE, Passivitytwo	Ordered		Order		itraconazole (itraconazole 10 mg/mL oral solution) 125 mg, Oral, 12 hourly, Tinea, Prophylaxis of	11/08/2023 10:00 AEST	itraconazole 10 mg/mL oral solution Solution 125 mg Oral 12 hourly
02	EMMUPGRADE, Passivitytwo	Ordered		Order		cytarabine (cytarabine IV) 146 mg, IV Intermittent Infusion, chemo-q24h	15/08/2023 13:54 AEST	cytarabine IV 146 mg IV Intermittent Infusion chemo-q24h
02	EMMUPGRADE, Passivitytwo	Ordered		Order		unlisted medication (Standard order routed for cosign) Standard order routed for cosign, 1 tab(s),	16/08/2023 20:00 AEST	TNF - Standard order routed for cosign 1 tab(s) Oral BD
02	EMMUPGRADE, Passivitytwo	Ordered		Order		apixaban 5 mg, Oral, 12 hourly, Maintenance: Heparin-induced thrombotic thrombocytopenia syndrome	16/08/2023 13:00 AEST	apixaban 5 mg Oral 12 hourly
<								>
								Remove View Process

5. Order Priority view

Order Description	Patient	MRN	Queue Time	Location	
▼ Inpatient Orders					
cefaZOLin 1 g, IV Bolus	, TEST, Dannione - 7 years	2660088	22 days	CHW /	Clancy
 Medication Reques 	t				
cefTRIAXONE 580 mg,	IV YOU, Celina Kai yi - 6 years	1376442	103 days	CHW /	Hunter Baillie Wa
monobasic sodium ph	os AIULU, Peter Tua - 15 years	1042762	103 days	CHW /	Commercial Trav
CLONazepam 2 mg, Or	al, TEST, Dannitwo - 7 years	2660062	37 days	CHW /	Hall Ward
parecoxib 22.5 mg, IV I	Bol EMMUPGRADE, Passivity Kj	2660024	36 days	CHW /	Hall Ward
parecoxib 22.5 mg, IV I	Bol TEST, Karen - 10 years	2660017	36 days	CHW /	Clancy
magnesium/mangane	se JAMES, Riley William - 17 y	990435	103 days	CHW /	Camperdown Wa
olanzapine (olanzapin	e XU, Patrick - 7 years	1344418	103 days	CHW /	Camperdown Wa

6. Settings

Adjust User Preferences, Create/Edit or Delete View

7. Inpatient Orders



The following actions may be performed on inpatient orders within the PPM:

• Remove – removes orders from the queue without any further action. Orders will still display in PharmNet.

• View – opens the patient's Acute Profile in Medication Manager (PharmNet). Orders will not have an Action defaulted.

 Process – opens the patient's Acute Profile in Medication Manager (PharmNet), with orders defaulted to a "Verify" action

8. Medication Request

•	Medication Request			1
▼	scetazolamide 160 mg, Oral, BD, Raised intracranial pressure			
	Requested date/time: 12/09/2023 9:29 AEST	Queue time: 33 days		
	Reason: Expired stock	History		
	Requested by: Chong, Annie	Priority: When possible		
	Status: Discontinued	Start date/time: 08/09/2023 20:00:00 AEST		
	Ordering physician: None, Specified	MRN: 2660108		
	Formulary status:	FIN: 7420905		
	Update date/time: 13/09/2023 09:49:41 AEST	Facility: CHW		
	Medical service: Endocrinology	Nurse unit: Hall Ward		
	Last dispense: Initial Doses (14) - 32 days ago	Room: 06		
		Bed: 08		
			View	Process

The following actions may be performed on inpatient orders within the PPM:

 View – opens the patient's Acute Profile in Medication Manager (PharmNet). Orders will not have an Action defaulted.

 Process – opens the patient's Acute Profile in Medication Manager (PharmNet), with orders defaulted to a "Verify" action

rug:						
						Add
	Action		Status			Order Sentence
	Verify	-	Active			amlodipine Tablet 5 mg/ 1 tab(s) Oral morning
	Verify	-	Active	5		atorvastatin Tablet 10 mg/ 1 tab(s) Oral night
		1000			(in)	multiple and in Tablet 150 ma/ 1 tab/s) Oral BD /bafaas (

Note: the UVOM tab is not available when Medication Manager (PharmNet) is opened via the PPM

How to access PPM and Set Up Pharmacy Work Item Types

The PPM can be accessed in PowerChart via the View dropdown menu or via a button on the toolbar. The Temporary view displays all patients that the user has organisational security to access. Custom user views should be configured to limit the number of patients and work items displayed, which will also improve PPM performance.

1. In PowerChart, access the PPM by clicking on **Pharmacy Patient Monitor** in the toolbar.

P PowerChart Organizer for the second s
Task Edit View Patient Chart Links Notifications Task List Options Help
🗄 💿 MTA 🧾 phabatchreport 🛱 Learning.Kids 🎕 Medication Links 🎕 Lanier Digital Dictation System 🞕 SCHN Policies and Procedures 💐 CIAP 🎕 CHW Laboratory Collection Manual 💐 EIR Direct Access 🖏 PharmNe
🗄 🇱 Suspend 🦻 Charge Entry 🖞 Exit 📓 Calculator 🎬 AdHoc 🚨 PM Conversation 🝷 🔩 Communicate 🝷 🖹 Medical Record Request 🚺 Medication Manager 🝙 Discern Analytics 2.0 💵 Medication Administration 🦸
Pharmacy Patient Monitor 📓 Pharmacy Care Organiser 🚨 Clinical Pharmacy 🛉 Patient List 📓 Antimicrobial Stewardship 🧱 Scheduling 📓 Auto Text Copy Mpage 📓 Ambulatory Organiser 🖃 Message Centre 👫 An

2. To set up a new view, click on the settings cog wheel icon and select Create/Edit View.

Pharmacy Patient Monitor			
View: CHW Med Requests ~	🗉 🎟 🔢 🔓	MINE, American	MR
Name =	0	User Preferences	
Name +	7	Create/Edit View	st
CHW / Variety Ward / 02 / 02		Delete View	d (P

3. To filter your view to a particular ward, select **Location** and click **Update**.

Create/Edit View				
iew name: CHW Med Rea	quests			
Filters Columns Sort				
Selected filters:				
Common Cicccation Medical Service Pharmacy Work It Inpatient Orders Formulary Status Future Orders - Ra Priority Scheduled Order - Split Verification	em Types			
Select a filter item and clic	:k update	Update	Reset	. Defaults
	Save View As	Save View	OK	Cancel

4. Select the desired ward of the hospital and click **Apply**.



5. To filter your view to a particular work item, select **Pharmacy Work Item Types** and click **Update**.

P Create/Edit View				×
View name: CHW Me	ed Requests			
Filters Columns	Sort			
Selected filters:				
- Common				
⊟ Location				
⊞-CHW				
E Pharmacy	Work Item Types			
- Inpatient Order	S			
Discharge [Days			
- Formulary S	Status			
Future Orde	ers			
Rx Priority	.			
Scheduled	order			
	auon			
Select a filter item a	ind click update			
		Update	Reset D	Defaults
	Save View As	Save View	OK	Cancel

Note: The Pharmacy Work Items allows users to set the Pharmacy Work Item Types to display the Unverified Orders Monitors (UVOMs) Inpatient Orders and/or the Medication Requests.

6. Move the desired work item types in the **Selected Filter(s)** section and click **OK**.

P Filters			×
Available Filter(s): Inpatient Orders	Move > Select All	Selected Filter(s): Medication Request	
		ок	Cancel

7. Click Save View As to create the view and save it for future use.

P Create/Edit View			×
View name: CHW Med Requests			
Filters Columns Sort			
Selected filters:			
Common Cocation CHW Clancy Medical Service Pharmacy Work Item Types Medication Request Inpatient Orders Discharge Days Future Orders Future Orders Refure Phiority Scheduled Order Discharge Days Refure Phiority Cochemication C			
Select a filter item and click update	Update	Reset D	Defaults
Save View As	Save View	ОК	Cancel

8. Enter View name and click Save.

Save View As		×
Views		
CHW Med Requests SCH Med Requests Camperdown Annie CHW		
Clancy		
Med Request PICU SCH Test Imaging Day Stay		
View name:		
Clancy Med Reques <mark>t</mark>		
Set as a system view		
	Save	Cancel

9. The new view will be available for selection in the PPM.

Pharmacy Patient Monitor	
View: Clancy Med Request	📘 🎛 🛃 🕌
Name 🔻	Q

To customize Columns for the Order Centric Views on PPM:

10. Navigate to Create/Edit View and select the Columns tab followed by Inpatient Orders/Medication Request and then Update

Create/Edit View			×
liew name: CHW orders			
Filters Columns Sort			
Selected columns:			
Inpatient Orders			
⊡- Order Centric Columns			
Medication Request			
Order Centric Columns			
Order Description			
order beschpton			
Select a column item and click update			
	Update	Reset D	efaults

11. Move items from the Available Column(s) to the Selected Columns and select OK

Available Column(s):		Selected Column(s):	
Comment Communication Type DOB DOB Facility FIN Formulary Status Intervention Link Medical Service MRN Needs Product Assignment Nurse Unit Order Comment Order Sentence Reaguested Set Requested By Requested By Requested By Requested By Requested By Requested Set Sex Start Date/Time Status	Move Selec	Name Order Description	1

12. Select Save View

P Create/Edit View		×		
View name: CHW orders				
Filters Columns Sort				
Selected columns:				
Inpatient Orders				
⊕ Order Centric Columns				
Medication Request				
Order Centric Columns				
Name				
Order Description				
Queue Time				
L				
Select a column item and click update				
Upd	Update Reset Defaults			
	_			
Save View As Save View	и ок	Cancel		

To customize Sorting for the Order Centric Views on PPM:

13. Navigate to Create/Edit View and select the Sort tab. Select Inpatient/Medication Request followed by Medication Request and then Update.

P Create/Edit View			×
View name: CHW orders			
Filters Columns Sort			
Selected sort:			
□ Inpatient Orders			
Order Centric Sort Columns			
Order Centric Sort Columns			
Coloria and item and aliab we date			
Select a sort item and click update			
	Update	Reset D	efaults
Sava View As	Sava Maria	OK	A 1

14. Sort view can be defined up to three levels. E.g., by Name followed by Nurse Unit then by Bed number then click OK.

Manie	 Descending
Then by:	
Nurse Unit	 Ascending Descending
Then by:	
Bed	 Ascending Descending

15. Select Save View

P Create/Edit View			×
View name: CHW orders			
Filters Columns Sort			
Selected sort:			
Inpatient Orders Inpatient Orders Incode Centric Sort Colum Medication Request Drder Centric Sort Colum	ns		
Select a sort item and click updat	e		
	Update	Reset D	lefaults
Save View As	Save View	ОК	Cancel

Pharmacy Patient Monitor						53	Full screen 🛛 🛑	Print 🤄 🥑 1 minutes a
View: CHW orders ~			Ⅲ 258 ↓ 2 🌣					
MRN ¥	Q					Inpatient Orders	220 Medi	ication Request 38
Medication Request								
Name	Nurse Unit	Bed	Order Description	Queue Time	MRN			
TUCKWELL, Antonia Marie	Clancy	22	melatonin 3 mg, Oral, daily (at bedtime), delayed sleep cycle, chronic insomnia	106 days	1189244			1
ZREIKA, Fatemah	Close Observation Unit	26	melatonin 4 mg, PEG, daily (at bedtime), delayed sleep cycle, chronic insomnia	106 days	1480325			
RIFAI, Nasrine	Clubbe Ward	02	TACrolimus 3 mg, Oral, BD, post transplant	106 days	1262678			
HO, Kayla Isabella	Clubbe Ward	16	clindamycin 450 mg, Oral, 8 hourly, Other (specify in indication), Bacterial infections - MRSA	106 days	1614136			
TEST, Aliload	Clubbe Ward	12	amoxicillin 80 mg, IV Intermittent Infusion, 12 hourly, Sinusitis - Acute, Bacterial infections	39 days	2660097			
TEST, Aliload	Clubbe Ward	12	prednisolone 3 mg, Oral, daily (with or after food), wheeze	39 days	2660097			
TEST, Aliload	Clubbe Ward	12	vancomycin (vancomycin intravenous) 45 mg, IV Intermittent Infusion, 12 hourly, Endocarditis - MR	39 days	2660097			
TEST, Aliload	Clubbe Ward	12	warfarin (warfarin (Coumadin)) Variable dose, Oral, daily, maintenance - anticoagulation	39 days	2660097			
AIULU, Peter Tua	Commercial Traveller Ward	08	monobasic sodium phosphate (Phosphate (Sandoz)) 16.1 mmol, Oral / PEG, BD, Order Duration: 2	106 days	1042762			
GUTHRIE, Daisy	Edgar Stephen Ward	04	bifidobacterium bifidum-lactobacillus acidophilus (Infloran oral capsule) 1 cap(s), Oral / Nasog	106 days	1621160			
ARGUIJO, Mason	Edgar Stephen Ward	08	melatonin 2 mg, Oral, daily (at bedtime), delayed sleep cycle, chronic insomnia	106 days	1593363			
KIDSE, Annie Chw	Edgar Stephen Ward	08	paraffin liquid (Parachoc 50% oral emulsion) 31 mL, Oral, daily, Constipation	47 days	1660000			
KIDSE, Annie Chw	Edgar Stephen Ward	08	flucloxacillin 1,530 mg, IV Intermittent Infusion, 6 hourly, Cellulitis/Erysipelas	40 days	1660000			
TEST, Dannitwo	Hall Ward	04	CLONazepam 2 mg, Oral, BD, Epilepsy - maintenance dose	40 days	2660062			
EMMUPGRADE, Passivity Kjp	Hall Ward	01	parecoxib 22.5 mg, IV Bolus, 24 hourly, Order Duration: 2 dose(s), Stop Date: 07-Sep-23 11:59:00 AES	39 days	2660024			
TEST, Diana	Hall Ward	08	acetazolamide 160 mg, Oral, BD, Raised intracranial pressure	34 days	2660108			
TEST, Alitwo	Hall Ward	L1	ARIPiprazole 2.5 mg, Oral, daily, Behaviour disturbance in autism	33 days	2660031			
KIDSE, Annie Chw	Hall Ward	L1	ARIPiprazole 5 mg, Oral, midday, Behaviour disturbance in autism	19 days	1660000			
KIDSE, Annie Chw	Hall Ward	06	ARIPiprazole 10 mg, Oral, daily, Behaviour disturbance in autism	19 days	1660000			
PARKES, Leo Joanas douglas m	Helen Macmillan PICU	05	valproate 480 mg, Oral, BD, Epilepsy	106 days	1476144			