# Health PEI CLINICAL INFORMATION SYSTEMS

# Code Upgrade - January 2023

#### Pharmacy Patient Monitor (PPM) Patient-Centric vs Order-Centric Display

Prior to code upgrade, only the Patient-Centric Display was available in the PPM. The Patient-Centric display is organized according to patient. When you select a patient, Pharmacy Patient Monitor displays all work items associated with that patient.

View: BW5NW ~	<b>48</b> 12 🕸	OCKE, JAMES M MRN: 15687 DOB: 9/1/1938 Age: 80 years Sex: Male We	sight: 80 kg
Name - Q			Exp
		Inpatient Orders	
LOCKE, JAMES H - 00 years 1980: 15687 1981: 24035 Bizeline West Hedical Center / BW SNW	10 Queue time: 1 br +6 min DOB: 9/1/1938	<ul> <li>Sodium Chloride 0.9% (Sodium Chloride 0.9% BOLUS) 1,000 mL, 1V, Solo, Once Status: Ordered Its priority: STAT</li> </ul>	Queue time: 1 hr 22 min Start dete/time: 11/0/2018 14/26008 CST
ALVAREZ, ALMA A - 42 years NRN: 15023 FIN: 240180	Queue time: 5 hr 32 min DO8: 1/1/1976	<ul> <li>@ morphine 2 mg = 1 mL, IV Push, Injection, q2hr, PRN pan-severe, First Dose: 11/08/18 14 Status: Ordered Re priority:</li> </ul>	Queue time: 1 hr 8 min Start date/time: 11/8/2018 34:40:00 CST
Baseline West Hedical Center / BW 6W REED, TARA - 30 years HRX: 814 FUX: 29315	Queue time: 30 hr 41 min DOII: 12/24/1987	<ul> <li>pregabalin (Lyrica) 15 mg = 8.75 ml, Oral, Sole, 817, Bmt Dose: 11/08/18 21:00:00 C5 Status: Ordered Rc priorby:</li> <li>atorvastatin 40 mg = 1 tab, Oral. Tab. Orac a Day (at bedtme). Pirst Dose: 11/08/18 22:0</li> </ul>	Queue time: 1 fr 8 min Start date/time: 11/8/2018 21:00:00 CST
Baseline West Hedical Center / BW 6W WOODWARD, SETH ALEXANDER - 76 years HRN: 7052 FTN: 23919	Queue time: 28 hr 8 min DOB: 12/17/1941	Status: Ordered Rapiderity:  tamsulosin (Flomax) 0.4 mg = 1 cap. Oral. Cap. Daily. First Dose: 11/09/18 7:00:00 CST Tamsulosin (Flomax) 0.4 mg = 1 cap. Oral. Cap. Daily. District Outword	Queue time: 1 br 8 min Start date/time: 11/8/2018 22:00:00 CST
Baseline West Medical Center / BW SNW ZIES, FELIX 3 - 65 years HRIN: 000366 FIII: 240370 Baseline West Medical Center / BW 6W	Queue time: 1 hr 32 min DOB: 12/30/1952	status Universit Reprivent: waarfaarin 3 mg = 1 tab, Oral, Tab, Dally, Pint Dose: 11/08/18 17:00:00 CST Status: Oxfored Reprively	Start life; Univer 11, 197, 213, 27600 K CFT Queue Similar 11, 197, 213, 27600 K CFT University Start Life; Start 27600 K CFT
TALBOT, JOHN J - 66 years MRN: 5608 FIN: 234686 Baseline West Medical Center / BW SNW	Quese time: 24 days DOB: 1/17/1952	<ul> <li>ceFAZolin 1 g = 50 mL, IV Piggyback, Soln-IV, q12Hr, Infrase over 15 minutes, Pirst Dose: 1 Statist: Onlered Rx priority;</li> </ul>	Queue time: 1 hr 4 min Start date/time: 11/8/2018 15:00:08 CST
		<ul> <li>Sodium Chloride 0.9% (Sodium Chloride 0.9% BOLUS) 1,000 mL, TV, Soln, Once Status: Completed Rx priority: STAT</li> </ul>	a, Finst Dose: 11/08/18 14-92-00 CST, Stop Date: 11/08/18 14-92-00 CST, STAT Quoto times: 1 fin 46 min State (dete)(ime: 11/0/2018 34-932-00 CST
		<ul> <li>piperacillin-tazobactam 3.375 gm, IV, Soln, g6hr, First Dose: 13/08/18 15:00:00 CST, a Status: Veided Ric priority:</li> </ul>	Anti-Infective Indication UTI uncomplicated Quotus time: 1 by 37 min Start Gelgfilms: 12(8)2818 35:00:00 CST
		<ul> <li>Vancomycin 1,250 mg = 250 mL, IV Piggyback, Soln-IV, q12hr, Infuse over 60 minutes, Fir Statum: Veided Rx printly;</li> </ul>	init Dose: 11/08/18 15:00:00 CST, Anti-Infective Indication UTT uncomplicated Quote time: 1 fr 4 min Start deta[time: 11/0/2018 15:00:00 CST

The Order-Centric display is organized according to work-item type. All work items in a respective type are displayed for all patients. This provides a similar workflow experience as when using Pharmacy Medication Manager Unverified Orders Monitor (UVOM). Users may toggle between the two views.(currently the PPM is only being used for Medication Requests)

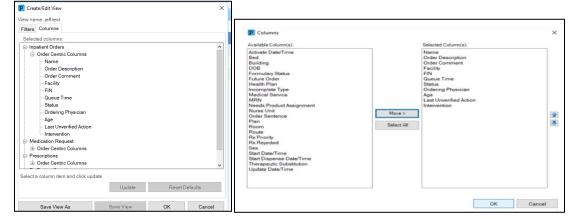
P	harmacy Patient Monitor			[□] Full screen	Print 2 min	nutes ag
Vi	ew: Temporary ~	<b>□ ■ 926</b> ↓ <sup>6</sup>				
	AII - Q	Inpatient Orders 852 Medication	Request 28 Press	criptions 🔟	Rx Review/Supply	35
1	Medication Request					
	Name	Order Description	Requested date/time	Reason	Queue Time	
	MPD_MEDREQ, PATIENT_CC	hydrocortisone-pramoxine topical (MPD_Novacort) 10/04/19 20:00:00 CDT, 6, g/m2, TID, 22, 10/	10/4/2019 17:56 CDT	Cannot Locate	145 days	^
	MPD_MEDREQ, PATIENT_CC	mpd_Amiloride 10/04/19 17:23:00 CDT, 4, g/hr, 10/04/19 17:23:00 CDT, 10/04/19 17:23:00 CDT	10/4/2019 17:56 CDT	Contaminated	145 days	
<	MPD_MEDREQ, PATIENT_CC	mpd_Amiloride 10/04/19 17:23:00 CDT, 6, IU/kg/day, 10/04/19 17:23:00 CDT, 10/04/19 17:23:00 CDT	10/4/2019 17:57 CDT	Damaged (credit)	145 days	>
1	MPD_MEDREQ, PATIENT_CC	mpd_AmilorideLongName' (mpd_AmilorideLongName) 10/04/19 17:23:00 CDT, 0.9, g/hr, 10/04/1	10/4/2019 17:57 CDT	Lost med	145 days	Í
	MPD_MEDREQ, PATIENT_CC	mpd_fluoride 10/04/19 17:23:00 CDT, 7, g/hr, 10/04/19 17:23:00 CDT, 10/04/19 17:23:00 CDT	10/4/2019 17:57 CDT	Medication error (credit)	145 days	
	MPD_MEDREQ, PATIENT_CC	MPD_Panacea 10/04/19 17:23:00 CDT, 3, g/hr, 10/04/19 17:23:00 CDT, 10/04/19 17:23:00 CDT	10/4/2019 17:58 CDT	Request extra dose	145 days	
	MPD_MEDREQ, PATIENT_BB	MPD_Panacea 10/04/19 18:38:00 CDT, 0.5, g/hr, 10/04/19 18:38:00 CDT, 10/04/19 18:38:00 CDT	10/4/2019 18:55 CDT	Cannot Locate	145 days	
	MPD_MEDREQ, PATIENT_BB	mpd_AmilorideLongName' 10/04/19 18:38:00 CDT, 0.8, g/hr, 10/04/19 18:38:00 CDT, 10/04/19 18:3	10/4/2019 18:56 CDT	Lost med	145 days	
	MPD_MEDREQ, PATIENT_AA	mpd_fluoride 10/04/19 19:17:00 CDT, 3, IU/m2, 10/04/19 19:17:00 CDT, 10/04/19 19:17:00 CDT	10/4/2019 19:58 CDT	Cannot Locate	145 days	
		mod Amilorido 10/04/10 10:17:00 CDT 2 mEa/ka/dax 10/04/10 10:17:00 CDT 10/04/10 10:17:00 C	10/4/2010 10-59 CDT	Contaminated	145 dave	~

# **Display Intervention Icon in the PPM**

The Intervention Icon now displays in the PPM – Order Centric View and Medication Requests

Status	Pharmacy Intervention
Orde	
Orde	Rx Intervention
Orde	
Orde	

Users may select "Create/Edit View" and update their Order-Centric and Medication Request Columns to include this in their view



Hyperlinks can now be launched from Order Alerts in Med Manager

M Order Alerts		×
🗙 sacubitril-valsartan 24 mg-26	mg Tab	
Description		
sacubitril-valsartan (Entresto) / ACE Inhibitors		
Order alert:	prior to	
starting Entresto.		^
ISMP Bulletin January 2017: http://www.ismp.org/newsletters/acuteca cle.aspx?id=1157	are/showarti	•
ОК	Cancel	

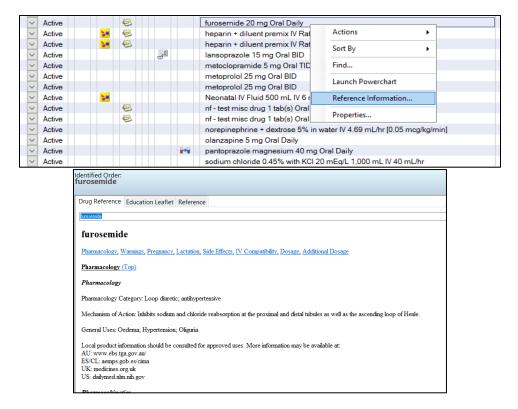
# Alphabetized Reason Lists in Med manager

Reason lists (discontinue, suspend, void, etc.) are now sorted alphabetically

M Discontinue	×
Order sentence:	
heparin + diluent premix IV Rate as per protoco	
Discontinue date/time:	
* Physician:	
Unknown Physician, Physician,	9
Discontinue reason:	
	$\sim$
Drug-Allergy Interaction	^
Drug-Drug Interaction	
Duplicate Order	
Formulary Substitution Formulary Substitution - Approved	
Formulary Substitution - Policy	
Medication Recall	
No Test results	$\sim$

# Drug Reference Information can now be accessed within Med Manager

Right click on the order that you require drug reference, an education leaflet, or other reference material for



#### MedManager Related Results

Related Results can be viewed for applicable orderes in the order entry/order verification window (icon beside "Drug" in the top left corner)

Drug			D	ose		Order	ed As	· Remot	ve
clozapine (Clozaril)			1	00 mg		Cloza	iril	- Modif	
1								- Model	y
1			MR	elated Results	- 0	×			
		- 1	⊡ C8	IC		^	•		
		_		WBC				1	
Route: Frequency:		60		3.80	2022-Dec-19 12:	28	Physician		
Oral V Daily		-		3.80	2022-Nov-07 15:	13		Physician, Physician,	_
Duration:		Star		Hgb				op type:	
(None)		202		140	2022-Dec-19 12:	28	Landov	oft Stop	
Previous scheduled administration:		Neo		140	2022-Nov-07 15:	13		emaining doses:	
****,***,** 🖕 🗸 🖕	191	****	-	Platelet					
Order comments:				150	2022-Dec-19 12:	28			60
order commenta.				150	2022-Nov-07 15:	13			
				RBC					
				4.50	2022-Dec-19 12:	28			
				4.50	2022-Nov-07 15:	13			
			-	Hct					
				0.500	2022-Dec-19 12:	28			
Dosage form: Tab		ommu Iritten		0.500	2022-Nov-07 15:	13		Product	
			- 0	MOV.		v	Initial quantity:	Printing	
Dispense category: TAB/CAP		ispeni harma			Close		initial quantity:	Comment	ts
Billing formula:		narma rice:			01054			0.4.1	
Pharmacy	61 S			\$0.00				Order Ty	pe

#### MedManager: Indication field addition

Indication field now available in Med Manager in the comments section of the medication verification screen. These indications are pre-built from Cerner and have yet to be customized for Health PEI. Workflow processes regarding the addition of indications to order sentence details are yet to be established.

M New Med Order							$\times$
Drug:						P	Update
Drug Tamipril	M Comments			-		×	Remove
	Rx comments:	൵	Fill notes:		60°		Moarry
		^			^		
*Route: *Frequ		~			~		
Oral V Daily	Control number:						<u> </u>
365 day(s) Previous scheduled admit	Order details:						g doses:
•••••	Indication:						6°0°
	(None)						^
Dosage form:	User defined details:						V Product
Cap * Dispense category:	May self administer:					^	Printing
TAB/CAP * Billing formula:	Independent Double Check						Comments
Pharmacy	Required ***:						Link Info
						~	Alert History Rx Intervention
Patient's own med				OK	Cancel		
Auto calculate initial dose					OK		Cancel

#### **Default IV Sets During Manual Product Selection**

The "IV Sets" tab will now default rather than the "Products" tab in the Manual Product Selection window when at least one IV set is available for selection for an order.

redients:			Last updated by:		Com	nmunication	n type:	
oxytocin	30 unit(s) / 3 mL		Smith, Jeff R, Pharmacist - DBA		Writ	tten		
oxytocin (additive)			Order comments:					
lactated ringers	1.000 mL							
Ringer's Lactate								
			User defined details:					
oducts (1) IV Sets (7)			Selected products:					
oducts (1) IV Sets (7)		1	Product	Prod Info	Dose	Unit	DspQty	Qty
Description			oxytocin 10 IU/mL Inj (1mL)	10 unit	30	unit(s)	3	ead
	) mL			-				
Oxytocin IV Infusion 10 units/1000								
Oxytocin IV Infusion 10 units/1000 Oxytocin IV Infusion 20 units/500 i	mL							
Oxytocin IV Infusion 20 units/500 i	) mL							
Oxytocin IV Infusion 20 units/500 n     Oxytocin IV Infusion 30 units/1000	) mL mL							
<ul> <li>Oxytocin IV Infusion 20 units/500 r</li> <li>Oxytocin IV Infusion 30 units/1000</li> <li>Oxytocin IV Infusion 30 units/500 r</li> </ul>	0 mL mL 0 mL	Move >						
Oxytocin IV Infusion 20 units/500 i     Oxytocin IV Infusion 30 units/1000     Oxytocin IV Infusion 30 units/500 i     Oxytocin IV Infusion 40 units/1000	0 mL mL 0 mL ) units/500 mL Ringer's Lactate	Move >						
Oxytocin IV Infusion 20 units/500 1     Oxytocin IV Infusion 30 units/1000     Oxytocin IV Infusion 30 units/500 1     Oxytocin IV Infusion 40 units/1000     Oxytocin IV Infusion Protocol A 30	0 mL mL 0 mL ) units/500 mL Ringer's Lactate	Move >						
Oxytocin IV Infusion 20 units/500 1     Oxytocin IV Infusion 30 units/1000     Oxytocin IV Infusion 30 units/500 1     Oxytocin IV Infusion 40 units/1000     Oxytocin IV Infusion Protocol A 30	0 mL mL 0 mL ) units/500 mL Ringer's Lactate	Move >						
Oxytocin IV Infusion 20 units/500 1     Oxytocin IV Infusion 30 units/1000     Oxytocin IV Infusion 30 units/500 1     Oxytocin IV Infusion 40 units/1000     Oxytocin IV Infusion Protocol A 30	0 mL mL 0 mL ) units/500 mL Ringer's Lactate	Move >						
Oxytocin IV Infusion 20 units/500 1     Oxytocin IV Infusion 30 units/1000     Oxytocin IV Infusion 30 units/500 1     Oxytocin IV Infusion 40 units/1000     Oxytocin IV Infusion Protocol A 30	0 mL mL 0 mL ) units/500 mL Ringer's Lactate	Move >						

#### **Profile Status Update in Medication Manager**

Prior to the upgrade, orders with a frequency of "once" changed to a status of "discontinued" in med manager once they were verified and there start/stop time had passed

V Discontinued + 2022-Dec-28 09:50 AST 2022-Dec-28 09:50 AST 2022-Dec-28 09:50 AST (p)

Post upgrade, orders with a frequency of "once" will now display as "Active" in Med Manager until the medication administration task has been charted even if the order start/stop time has passed

~	Active			olanzapine 5 mg Oral Daily	2022-Dec-13 09:00	2023-Dec-13 08:59 (s)	MED
~	Active		•	pantoprazole magnesium 40 mg Oral Daily	2022-Dec-10 09:00	2023-Dec-10 08:59 (s)	MED
~	Active			sodium chloride 0.45% with KCl 20 mEq/L 1,000 mL IV 40 mL/hr	2022-Dec-09 15:19	2023-Dec-09 15:18 (s)	CONT
~	Active			sodium polystyrene sulfonate 15 g Oral Once 🛛 🚽	2022-Dec-28 10:00	2022-Dec-28 10:00 (p)	MED

## Filter by Assigned Products in Manual Product Selection

Manual Product Selection (MPS) can now filter products based on the productsynonym configuration. (Synonym-product linking completed by CIS-pharmacy)

gredients:			Last updated by:		Communica	ation type:	
	2 unit(s)		Test, Pharmnet: Pharma	cist, - PharmNet: Pharmacist	Clinician		
Humalog insulin			Order comments:				
			with breakfast				
Filter Options	Linked Products		User defined details:				
All Routes and Dosage Forms	Linked Products						
Route / Dosage Form compatible							
Ordered Dosage Form							
Products (4) Compounds (0)		1	Selected products:				
		1	Product	Prod Info Dos	e Unit	DspQty	QtyUn
Description	Prod Info						
insulin lispro Admelog 100 units/mL Inj Solostar 3mL	100 units/mL Injection						
insulin lispro Humalog 100 units/mL Inj (10 mL)	100 units/mL Injection						
insulin lispro Humalog 100 units/mL Inj Kwikpen 3mL	100 unit(s)/mL Injection						
<ul> <li>insulin lispro Humalog 200 units/mL Inj Kwikpen 3mL</li> </ul>	200 unit(s)/mL Injection						
		< Move	1				
		S MOVE	1				

## "Linked Products" NOT selected

#### "Linked products" selected

nual Product Select - insulin lispro Humalog 100 units/mL Kwikpen 2 unit(s) Subcutaneous N	ioning injection						_
dients:		Last updated by:		Communic	ation type:		
nsulin lispro Humalog 100 units/mL Kwikpen 2 unit(s)	]	Test, Pharmnet: Pharmacis	t, - PharmNet: Pharmacist	Clinician			
Humalog insulin		Order comments:					
		with breakfast					
	]						
er Options ) All Routes and Dosage Forms		User defined details:					
) Route / Dosage Form compatible							
Ordered Dosage Form							
ducts (1) Compounds (0)		Selected products:					
	1	Product	Prod Info Do	ose Unit	DspQty	QtyUr	1
Description Prod Info insulin lispro Humalog 100 units/mL Inj Kwikpen 3mL 100 unit(s)/mL Injection							
	< Move						

#### **Patient Results in Medication Manager**

Up to 5 patient results/event codes (ex.HR, INR, PLT, WBC, Na, K, BMI) can now be displayed in the Demographics section of Medication Manager. Currently, INR, Platelet, Potassium Level, Sodium Level, and WBC are displayed in the demographics section. These results may be further customized following Pharmacy PSSG approval.

A ZZ TEST MOCK E	, PATIENT LEVEN	MRN: 888001037 FIN: 8402779 Rx Clinical Note:
Enter a patient MRI	N:	
ZZ TEST, P	ATIENT MOCK ELEVEN	
Demographics		
Height	166 cm	
Result Dt/Tm	2022-Dec-20 14:14	
💾 Weight	100 kg	
Result Dt/Tm	2022-Dec-20 14:09	
Creatinine	100 umol/L	
Result Dt/Tm	2022-Dec-20 14:20	
BSA	2.15 m <sup>2</sup>	
BSA Method	Mosteller	
BW	62.6 kg	
IBW Method	Devine	
CrCl (est.)	41.32 mL/min	
CrCl Method	Cockroft-Gault (Ideal W	eight)
📋 INR	3.1 (2022-Dec-28) - Au	th (Verified)
📋 Platelet	150 x10^9/L (2022-Dec	⊱28) - Auth (Verifi
Dotassium Lev	4.8 mmol/L (2022-Dec-	28) - Auth (Verified)
📋 Sodium Level	141 mmol/L (2022-Dec	-28) - Auth (Verifi
C WBC	10.00 x10^9/L (2022-D	ec-28) - Auth (Veri

#### **Distribution Manager**

Reminder to users, selections will need to be updated before use on **Find: All Items** window, after Code Upgrade. Search results will be unsuccessful until settings are selected and will then be remembered by the system next time application is opened. Users can update selections as desired for specific search results

General Item Typ	e Advanced		
Item number	Description Short description	Find Now	
Clinical descripti		New Searc	h
		Get More	
Search For:	Begins with v furosemide	Help	
Location:	~		
	Include sublocations		
Class:	✓ Browse		
	Include subclassifications		
• Vendor:	ALL « Q		
O Manufacturer:	*		

**Item Type** tab needs all 3 boxes checked off to be able to search for all items (supplies and meds)

ዿ Find: All Items	_		×		
General Item Type Advanced	_				
View items of this type:			Find Now		
Equipment Master			New Search		
Medication Definition		Get More	:		
Medication level Medication type		Help			
Medication level  Drug formulation  Manufacturer  Manufacturer  Medication type  Inpatient Retail Shared					
ΟK		Cancel			