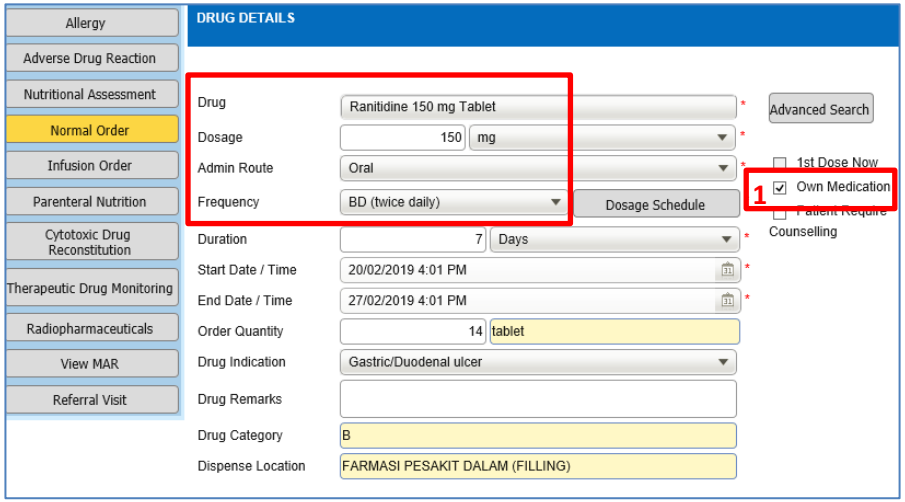
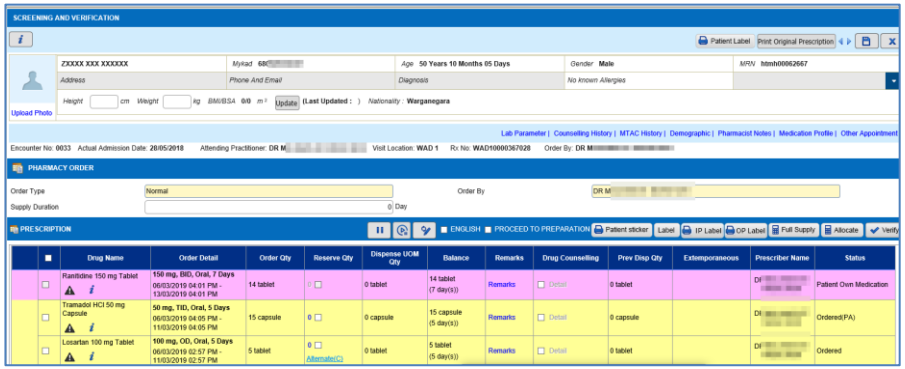
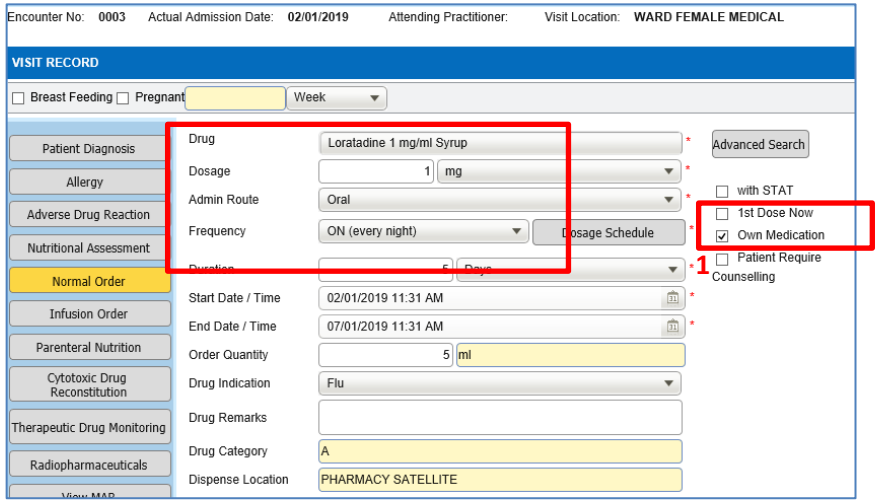
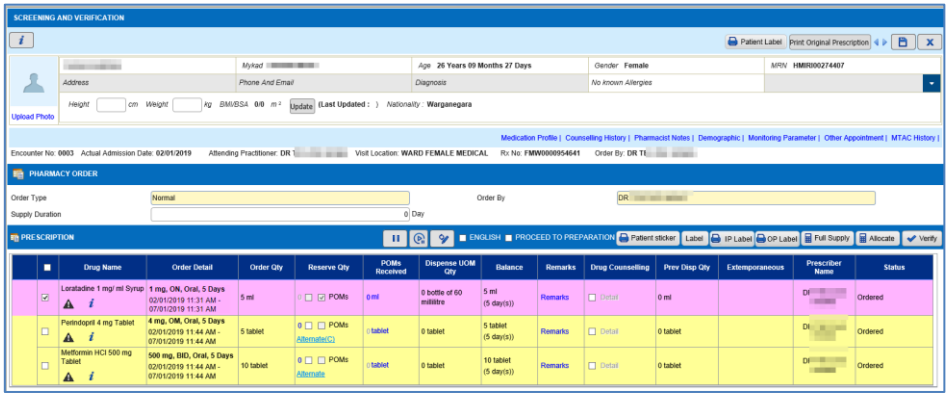
1. Summary of Ticket Number and Requests on POMs

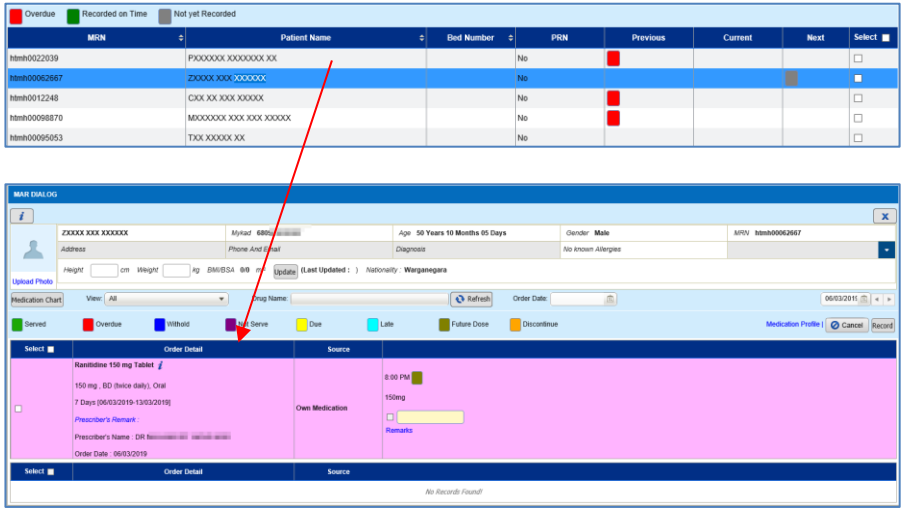
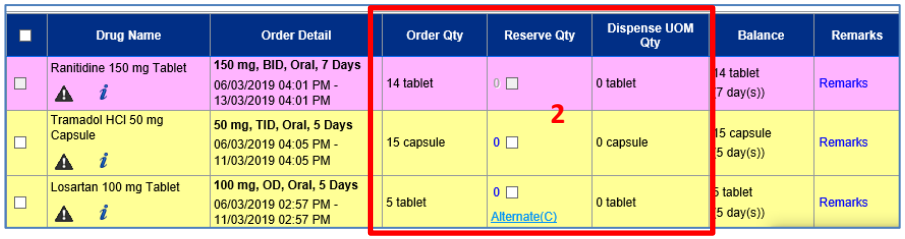
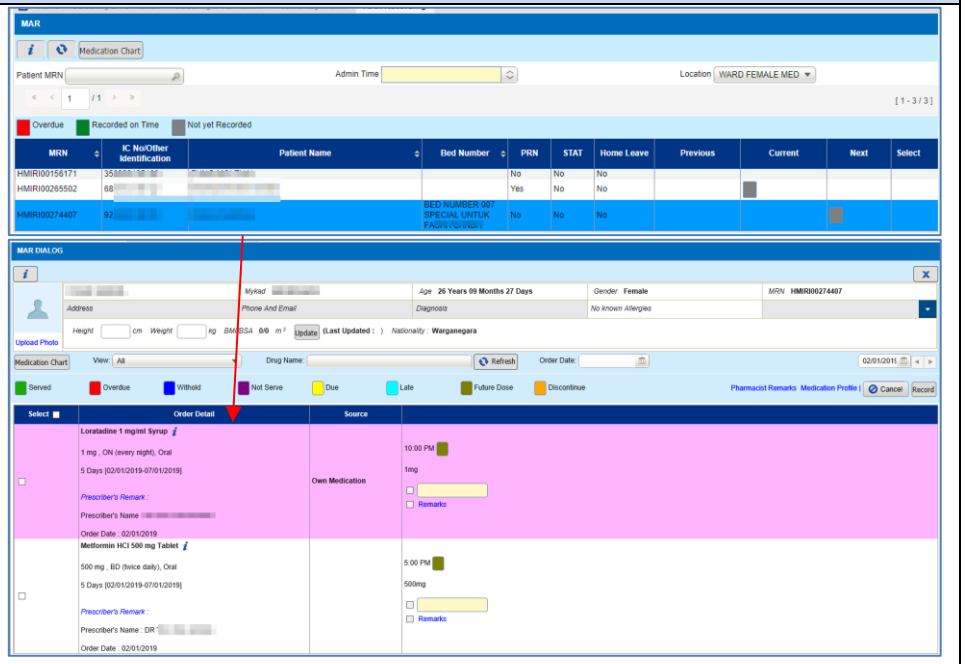
No.	Ticket #	Description	Requests	Solution
1.	I-PhIS014 617216S	**Drug Label - Request able to print Own Medication label & Intervention** User request able to print Own Medication label. Currently when click print, system show info message please allocate drug quantity. User request able to do intervention for own medication label.	Able to do intervention and print label for own medication drug.	**1.** Able to dispense Own Medication drug but no stock will be deducted. POMs will be dispensed similar to 'Not to Dispense' flow**.** User can update POMs drug for dispensing (note: inpatient dispense is on daily basis where user can start with POMs and then dispense as normal). **2.** POM applicable for both Inpatient and outpatient visit but exclude for SPUB Offline and Outsource. 3. Allow to print for own medication drug label.
2.	I-PhIS017 202216S	**Screening/Preparation Screen - Request able to select/unselect own medication** User request able to select/unselect own medication at Screening & Verification Screen or Preparation Screen. Situation -Doctor forget to tick Own Medication during order drug -Patient bring drug later after doctor already order drug -Day 1 until Day 3- facility supply to patient but when Day 4 - patient take own medication User request able to select own medication and able to unselect incase patient drug damage	Enable to select/unselect own medication at Screening & Verification or Preparation screen.	
3.	I-PhIS019 353117S	**Request to enable Print label for own medication** User request to enable print label for Own Medication. Purpose: -This case if patient admit to ward and the patient have his own medication. That medication will pass to pharmacist to identify back and prepare when the patient need during at ward. Pharmacist will re-label for patient with new label -Another purpose also when the label not clear anymore. The label need to prepare new with the clear label User informed this info he got from email by KKM. Refer attachment from user as guideline part (Procedure POMs) - Policy POMs	Enable to print label for Own Medication.	
4.	I-PhIS049 237519S	**(UAT 2.1) POMS Flow - revamp flow of POMS**	New flow of POMs.	1. Allow to update POM flag at dispensing activity screens.

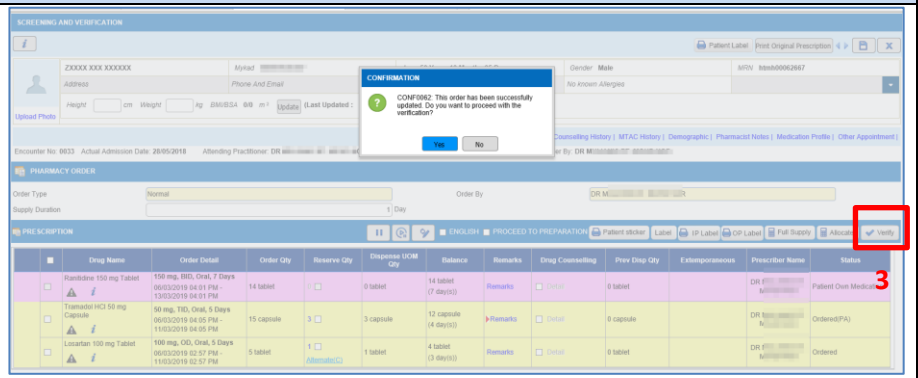
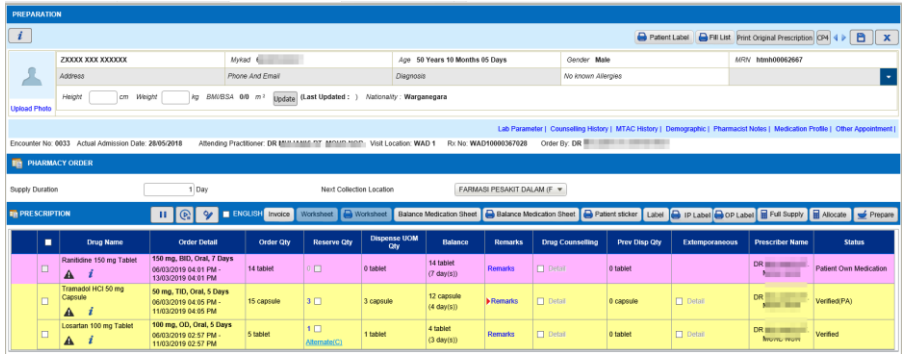
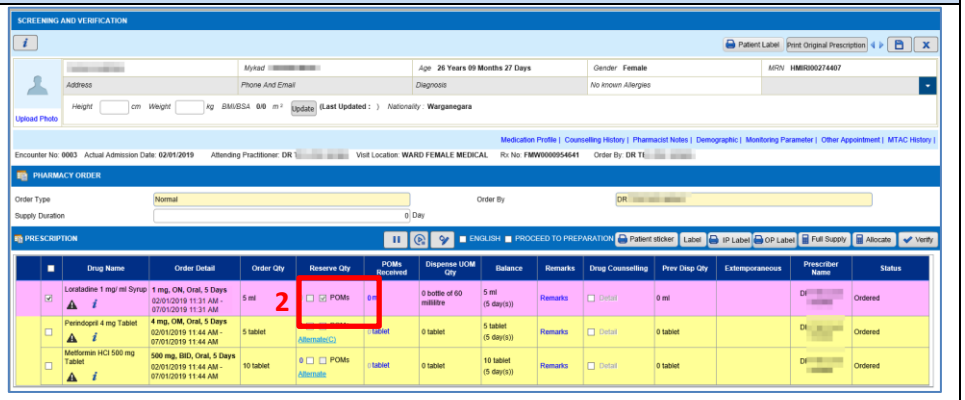
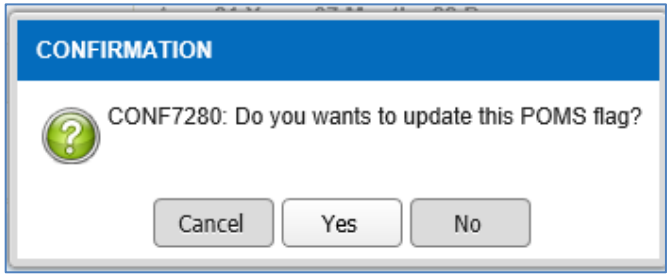
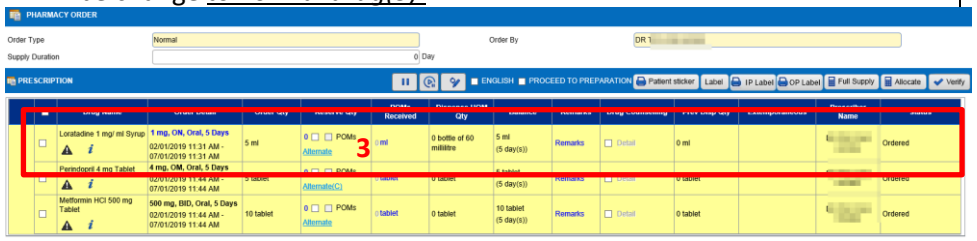
No.	Ticket #	Description	Requests	Solution
		New column created not suitable to display (not use by OP). POMS in v2.1: At intervention screen,it is compulsary to select intervention reason for POMS is user wants to modify the order. Suppose POMS in not link to intervention activity. Suggest new flow: 1. User can change POM to normal drug and vice versa in POMs Received Qty screen. 2. POM not applicable for OP order but valid for Discharge Order. 3. POMs Order need to capture into Drug Utilisation Report. 4. User able to update POM drug in all dispensing screen. 5. New POMs report – by ward		a. Changes of POMS drug to Normal drug can be done at dispensing activity screens by unticked the POMS checkbox. b. Once unticked, background color change to normal drug and link to open POMs Received Qty screen will be disable. c. Once user change POMs drug to normal, they cannot change back to POMs. Need to make sure that after change drug POMS to normal, this drug should exist in Fill List. 2. Own Medication drug can be dispensed but no stock will be deducted. POMs will be dispensed similar to 'Not to Dispense' flow. User can update POMs drug for dispensing (note: inpatient dispense is on daily basis where user can start with POMs and then dispense as normal). 3. User able to enter the POMs received quantity at dispensing activity screens. a. User able to enter POMs Received Qty through a link of POMs Qty available in all dispensing screen. This value will not capture into intervention report. It is for display and printing label purpose. Any value entered (poms received qty) will not reflect to original order qty. b. After save the POMS Received Qty value, remain open the pop up screen. User then able to click on POMS Label or close the screen by themselves. 4. POMs applicable for Inpatient, Outpatient and discharge order order only. Remain own medication checkbox for visit type Outpatient and Inpatient. 5. From original requirement: POM applicable for both Inpatient and outpatient visit but exclude for SPUB Offline

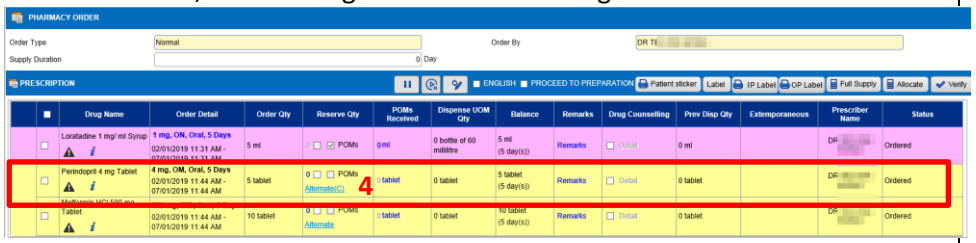
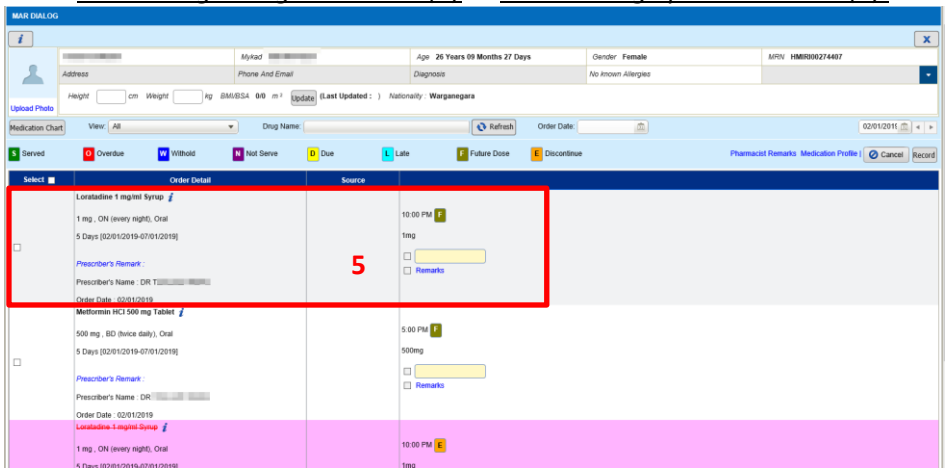
No.	Ticket #	Description	Requests	Solution
				and Outsource.Normal drugs cannot be changed to POMs but POMs drug can be updated to normal. User cannot change back normal drug to POMS drug again. Changes can be done before user do dispensing. If mistakenly update, user need to re-order new. 6. POMs drug will be captured in Drug Utilisation report and Intervention Report. Any modification on drugs details for POMS, will update to Intervention report. POMS checkbox flag will be remove from intervention screen. 7. If doctor order POMS, Pharmacist still need to enter POMS Received Qty value during screening/preparation/dispensing. For new order, pharmacist can change normal drug to POMS provided before dispensing (full based). However, if order as POMS and user change to normal drug, they cannot change back the drug to POMs. 8. User able to change ward stock drug to POMS. POMS checkbox available in ward stock record. User able to change before dispensing. Applicable for new order in Full Based/Pharmacy Based. 9. In MAR, if POMS drug is a ward stock drug, user able to serve but no stock will be deducted. 10. Roles to change drugs from POMS-NORMAL or Ward Stock-POMS is control by pharmacist. 11. New POMs report by ward:- a. Borang Kompilasi POMS (POMs 3) Wad – New POMS Report at facility level 12. No changes on taper flow However allow user to update POMS checkbox for main drug taper only.

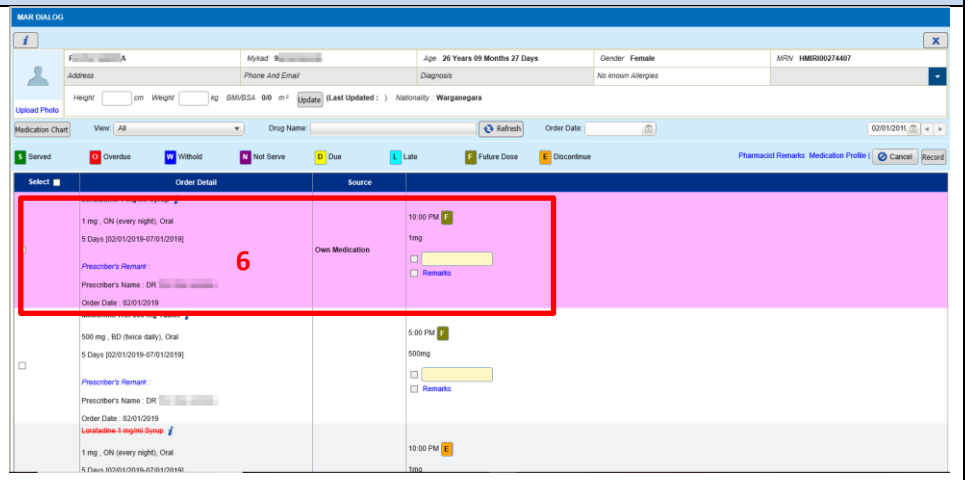
PhIS & CPS Project - Quick Guide For OPIP – Patient Own Medication (POMs)

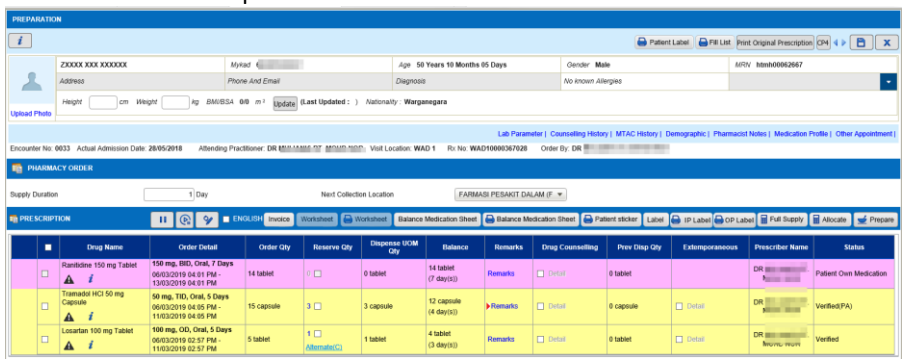
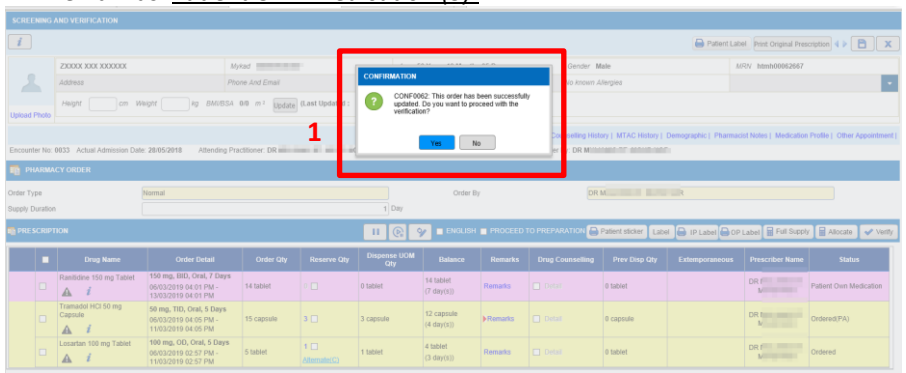
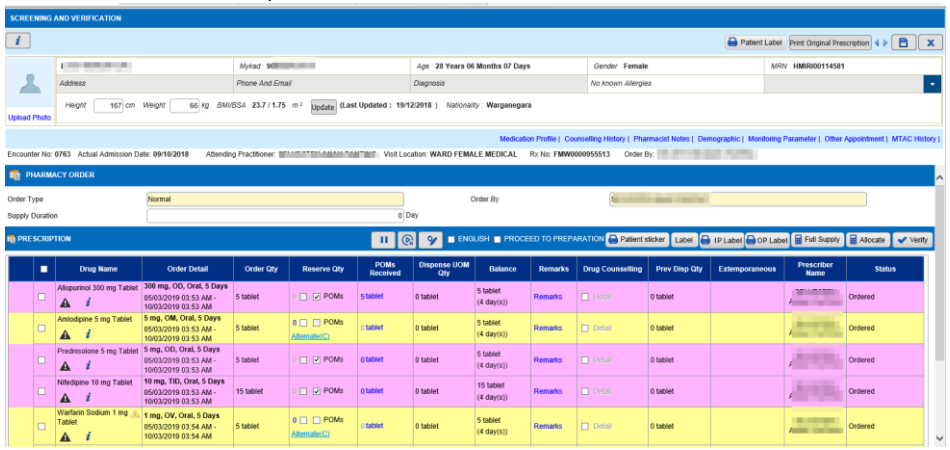
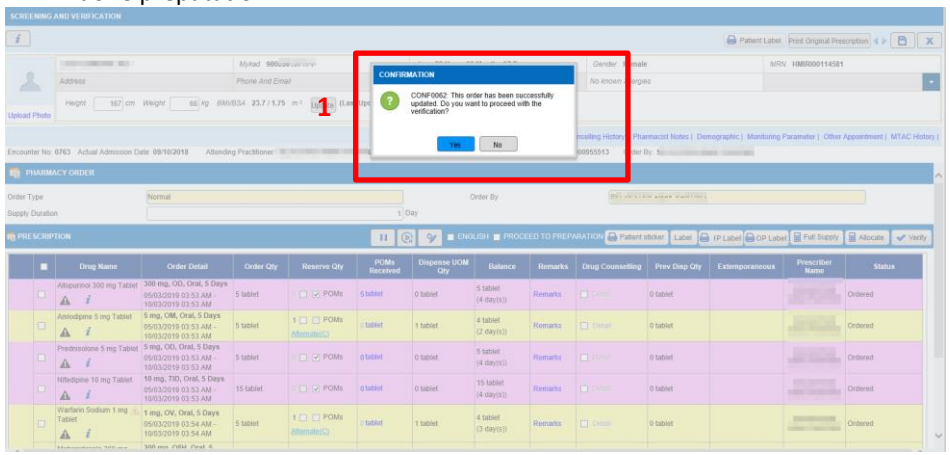
Function Flow	Current Version 2.0	New Version 2.2
1. Allow to update POMs flag at dispensing	1. Go to Medication Order and doctor create drugs include *with Own Medication order(1).*  2. Confirm the order and open record in Screening and Verification (IP).  3. Open the record in MAR to check on the status. Own Medication drug shown in pink background color.	1. Go to Medication Order and doctor create drugs include *with Own Medication order(1).*  2. Confirm the order and open record in Screening and Verification (IP).  3. Open the record in MAR to check on the status. Own medication drug shown in pink background color.

Function Flow	Current Version 2.0	New Version 2.2
	 4. At Screening and Verification, user not able to update own medication drug to normal drugs. There are *no POMS flag(2)* available.  5. At Screening and Verification, once do allocation, click on *Verify button(3)* and user able to Verify the order.	 4. At Screening and Verification, user able to update *POMS flag(2)* to normal drug by tick on the checkbox before first dispensing (for new order).

Function Flow	Current Version 2.0	New Version 2.2
	 6. Once Verify, Own Medication drug remain status as 'Patient Own Medication Status' however user not able to dispense it. 	 5. Once POMS checkbox is being ticked, alert message will be displayed as below:  6. Click on 'Yes' button to proceed. Once update the POMS flag, drug will be change *to normal drug(3).* 

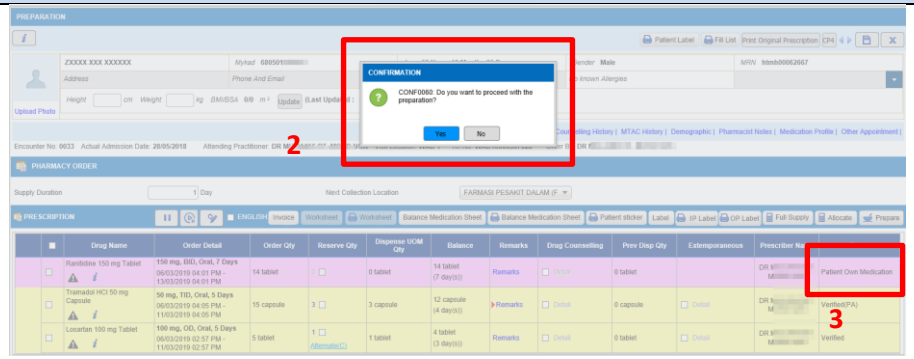
Function Flow	Current Version 2.0	New Version 2.2
		7. Normal drug can also *update to POMS drug(4) by tick on POMS checkbox.* Same process as above, alert message will be displayed and once save, normal drug becomes POMS drug.  8. MAR record will also be updated based on the current POMS flag, either *POMS drug change to normal(5)* or *normal drug update to POMS(6).* 

Function Flow	Current Version 2.0	New Version 2.2
		 **Notes**: *POMS flag can be changed one time only and valid for new order. Once update the flag, it will be non editable.* *a. User can update/remove the POMS flag for new order only.* *b. Changing of POMS flag can be done one time only.* *c. Once record has been partial dispense, they cannot update POMS flag and user has to cancel/re-order the prescription if they mistakenly update this flag.*

Function Flow	Current Version 2.0	New Version 2.2
2. Dispense Own Medication drug with no stock deducted	1. Choose patient with on medication order and open record in Screening and Verification for inpatient order.  2. *Verify(1)* and *Prepare(2)* the order. Once verify, status of own medication will remain as '*Patient Own Medication'(3).*  	1. Choose patient with on medication order and open record in Screening and Verification for inpatient order.  2. *Verify(1)* and *Prepare(2)* the order. Once verified, status of own medication will be changed to *'Verified'(3)* after done verification and changed to 'Prepare' after done prepatation. 

Function Flow

Current Version 2.0

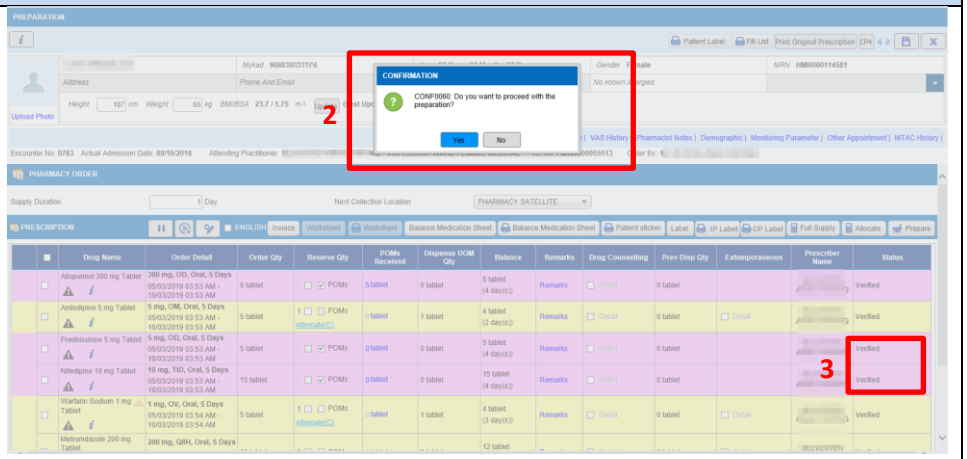


3. Before dispensed, check on the stock of the drug at Unit Catalog List *under Stock Available column(3).*

Drug/Non Drug Description	SKU	Stock Available	Reserve Qty(SKU)
Granisetron HCl 1 mg Tablet	tablet	0	0
Granisetron HCl 3mg/3ml Injection	amp	0	0
Ranitidine 50mg/2ml Injection	amp	580	0
Ranitidine 150 mg Tablet	tablet	3 200,300	0

4. After prepared, go to Dispensing screen and click on *Dispense(4)* button.

New Version 2.2

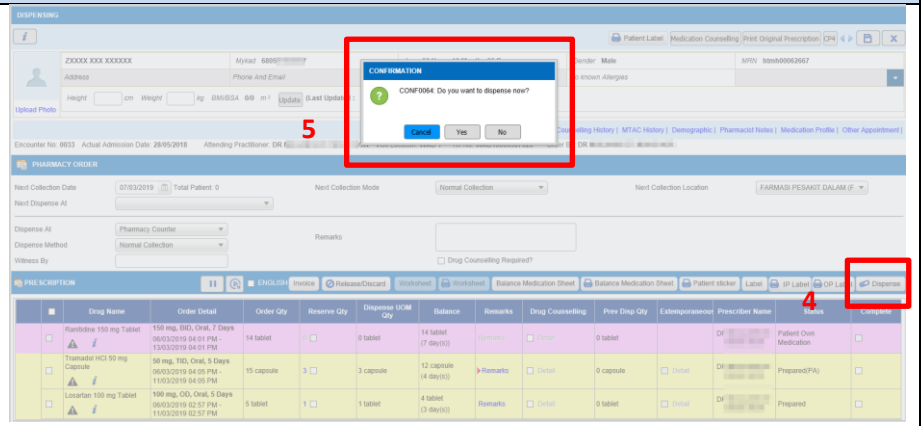


3. Before dispensed, check on the stock of the drug at Unit Catalog List *under Stock Available column(3).*

Stock Location	Drug/Non Drug Description	SKU	Stock Available	Reserve Qty(SKU)
PHARMSAT	Allopurinol 300 mg Tablet	tablet	1,000	0
PHARMSAT	Prednisolone 5 mg Tablet 3	tablet	19,000	0
PHARMSAT	Nifedipine 10 mg Tablet	tablet	4,000	0

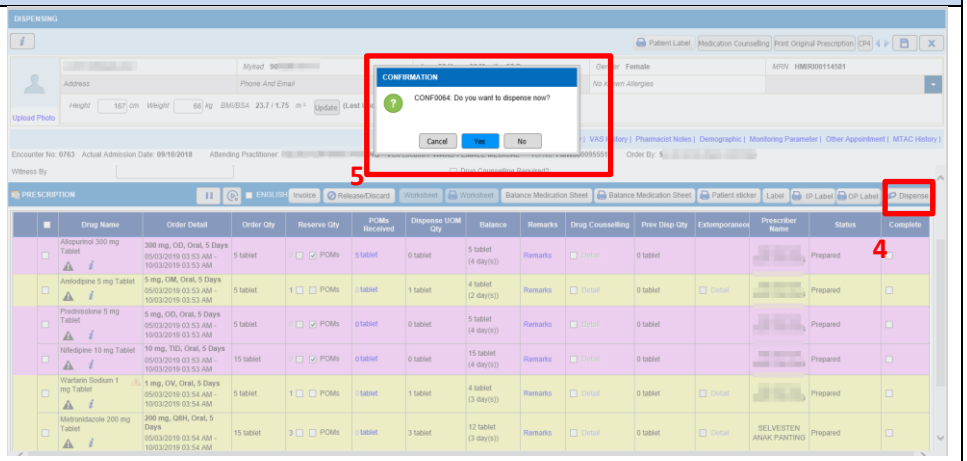
4. After prepared the order, go to Dispensing screen and click on *Dispense(4)* button.

Function Flow	Current Version 2.0	New Version 2.2



5. Alert *message to dispense the order(5)* appear. Click **Yes** to proceed with dispensing.
6. Other drug record will be dispensed but for own medication, status remain as 'Patient Own Medication' and this record is not dispensed. *No deduction on stock(6)* as well.

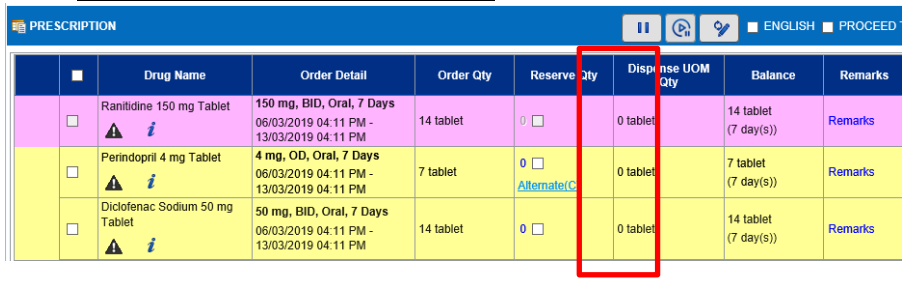
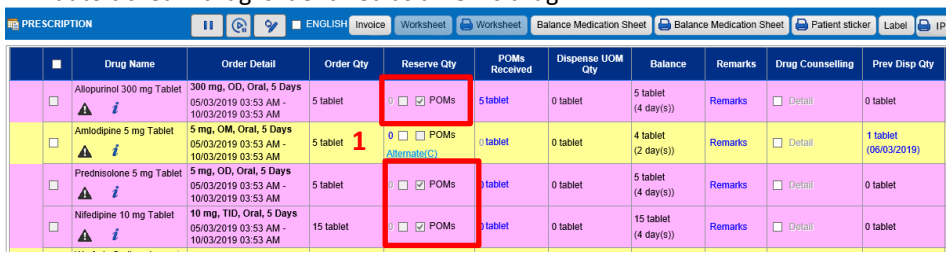
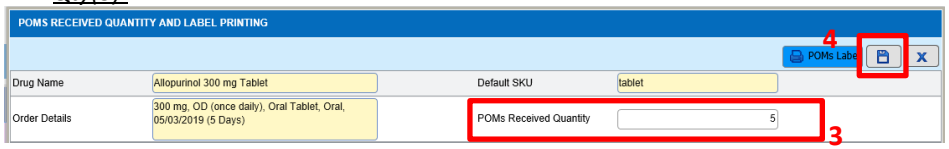
Drug/Non Drug Description	SKU	Stock Available	Reserve Qty(SKU)
Granisetron HCl 1 mg Tablet	tablet	0	0
Granisetron HCl 3mg/3ml Injection	amp	0	0
Ranitidine 50mg/2ml Injection	amp	580	0
Ranitidine 150 mg Tablet	tablet	200,300	0

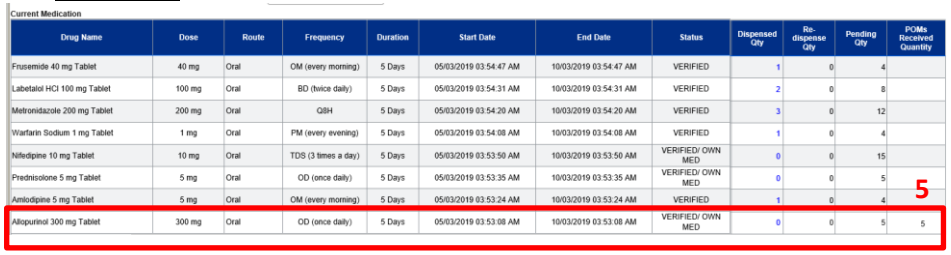
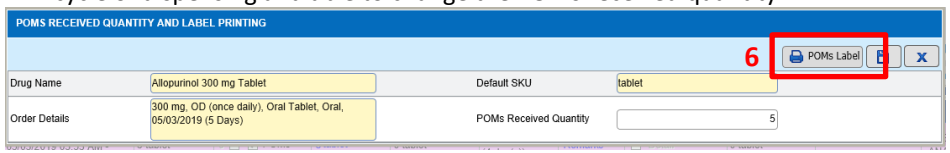
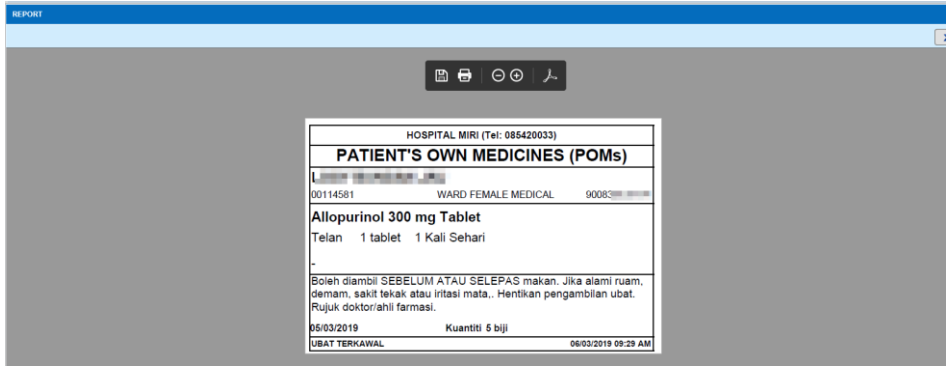


5. *Alert to dispensed(5)* will appear. Click **Yes** to proceed with dispensing.
6. Record will be dispensed and record becone partial dispense. No stock deducted for POMs drug. Unit Catalog List show same quantity in *Stock Available(6)* column.

Stock Location	Drug/Non Drug Description	SKU	Stock Available	Reserve Qty(SKU)
PHARMSAT	Allopurinol 300 mg Tablet	tablet	1,000	0
PHARMSAT	Prednisolone 5 mg Tablet	tablet	19,000	0
PHARMSAT	Nifedipine 10 mg Tablet	tablet	4,000	0

6

Function Flow	Current Version 2.0	New Version 2.2
3. Enter POMs dispense quantity and print label for POMs	1. Choose patient with own medication order and open record in Screening and Verification. 2. *No POMS Received column avaiable(1)*.  	1. Choose patient with own medication order and open record in Screening and Verification. 2. Under column Reserve Qty, there are *checkbox for POMs(1).* This checkbox will be auto ticked if drug is identified as a POMs drug.  3. At POMS Received column, click on the *Qty(2) link*. 4. New pop-up window will appear and user able to enter the *POMs Received Qty(3).*  a) *POMs Received Quantity field will always be editable by user. This value will be displayed in POMs label printing.* b) *User is allow to print POMs label at any cycle of dispensing and able to change the POMs received quantity value.*

Function Flow	Current Version 2.0	New Version 2.2
		5. Then click on *Save(4)* button. POMs received quantity value will be saved but no stock will be deducted from unit catalog. User also able to see the *POM Received Quantity(5)* at Medication Profile screen.  6. User also able to print label for POMs. Click on *POMS Label(6)* to print label for POMS. Printing of POMs label will be previewed first. Then user can click on Print button available at the preview screen. User is allow to print POMs label in any cycle of dispensing and able to change the POMs received quantity.  

Current Medication

Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status	Dispensed Qty	Re-dispense Qty	Pending Qty	POMs Received Quantity
Frusemide 40 mg Tablet	40 mg	Oral	OM (every morning)	5 Days	05/03/2019 03:54:47 AM	10/03/2019 03:54:47 AM	VERIFIED	1	0	4	
Labetalol HCl 100 mg Tablet	100 mg	Oral	BD (twice daily)	5 Days	05/03/2019 03:54:31 AM	10/03/2019 03:54:31 AM	VERIFIED	2	0	8	
Metronidazole 200 mg Tablet	200 mg	Oral	Q8H	5 Days	05/03/2019 03:54:20 AM	10/03/2019 03:54:20 AM	VERIFIED	3	0	12	
Warfarin Sodium 1 mg Tablet	1 mg	Oral	PM (every evening)	5 Days	05/03/2019 03:54:08 AM	10/03/2019 03:54:08 AM	VERIFIED	1	0	4	
Nifedipine 10 mg Tablet	10 mg	Oral	TDS (3 times a day)	5 Days	05/03/2019 03:53:50 AM	10/03/2019 03:53:50 AM	VERIFIED/ OWN MED	0	0	15	
Prednisolone 5 mg Tablet	5 mg	Oral	OD (once daily)	5 Days	05/03/2019 03:53:35 AM	10/03/2019 03:53:35 AM	VERIFIED/ OWN MED	0	0	5	
Amlodipine 5 mg Tablet	5 mg	Oral	OM (every morning)	5 Days	05/03/2019 03:53:24 AM	10/03/2019 03:53:24 AM	VERIFIED	1	0	4	
Allopurinol 300 mg Tablet	300 mg	Oral	OD (once daily)	5 Days	05/03/2019 03:53:08 AM	10/03/2019 03:53:08 AM	VERIFIED/ OWN MED	0	0	5	5

5

POMS RECEIVED QUANTITY AND LABEL PRINTING

6 POMs Label

Drug Name	Allopurinol 300 mg Tablet	Default SKU	tablet
Order Details	300 mg, OD (once daily), Oral Tablet, Oral, 05/03/2019 (5 Days)	POMs Received Quantity	5

REPORT

HOSPITAL MIRI (Tel: 085420033)

PATIENT'S OWN MEDICINES (POMs)

00114581 WARD FEMALE MEDICAL 90083

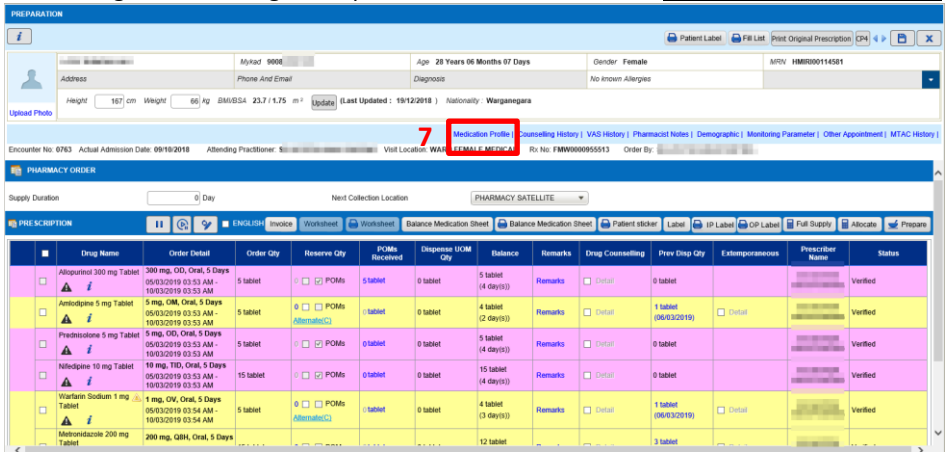
Allopurinol 300 mg Tablet

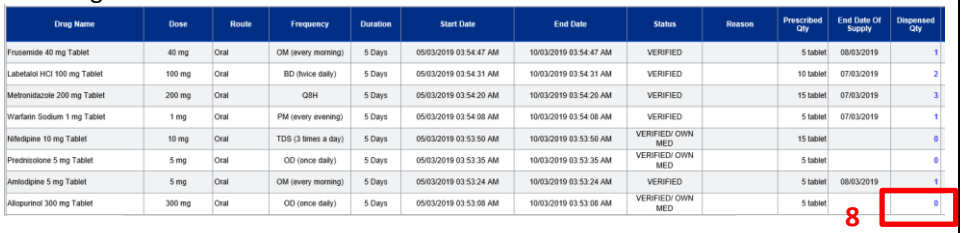
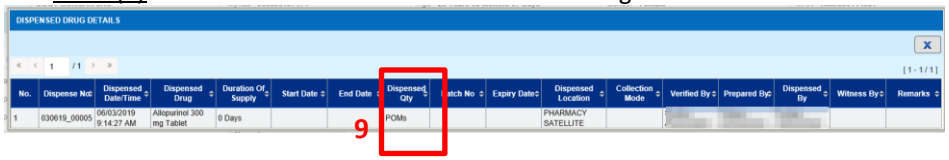
Telan 1 tablet 1 Kali Sehari

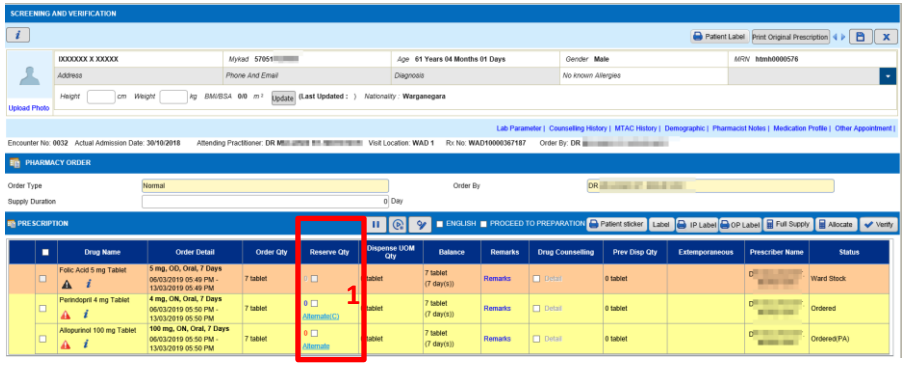
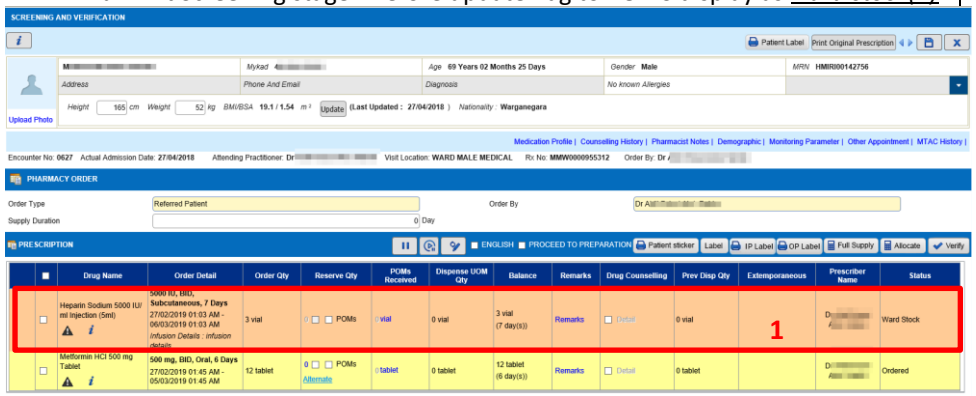
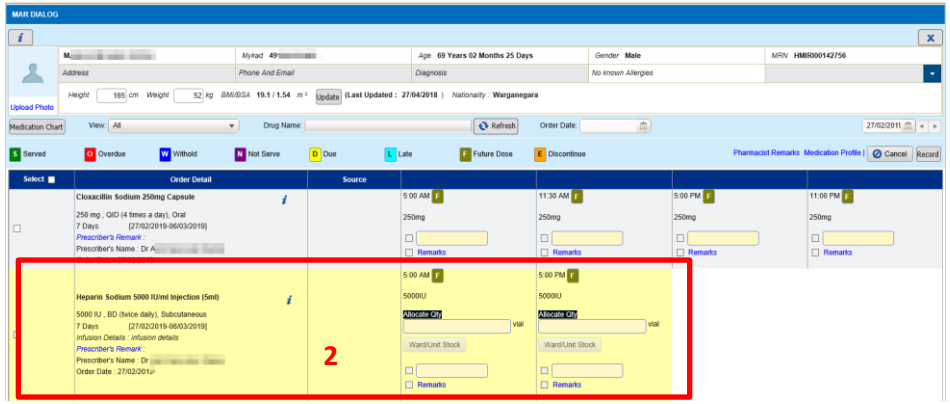
Boleh diambil SEBELUM ATAU SELEPAS makan. Jika alami ruam, demam, sakit tekak atau iritasi mata,. Hentikan pengambilan ubat. Rujuk doktor/ahli farmasi.

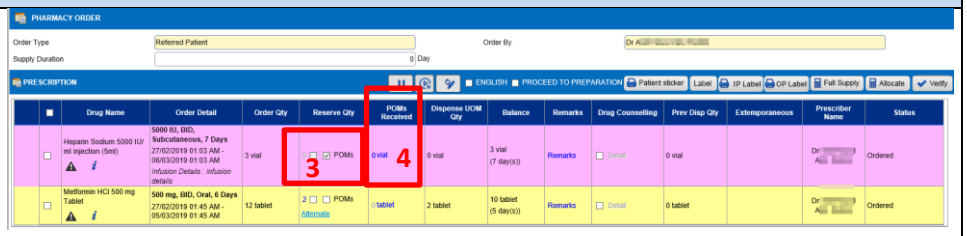
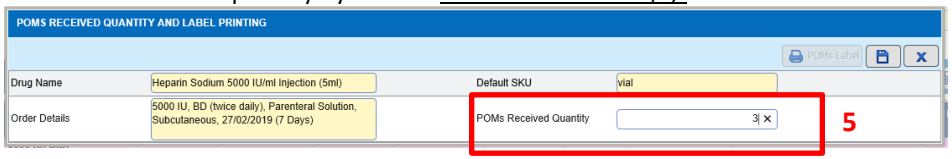
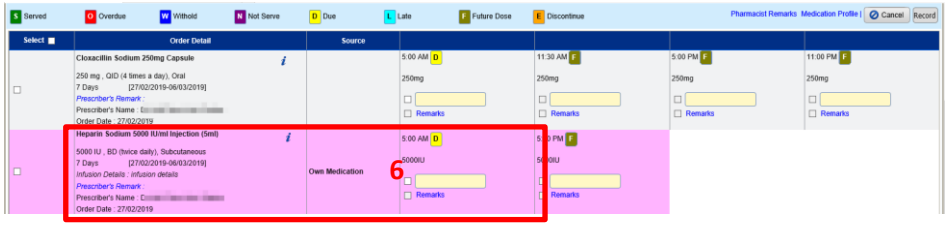
05/03/2019 Kuantiti 5 biji

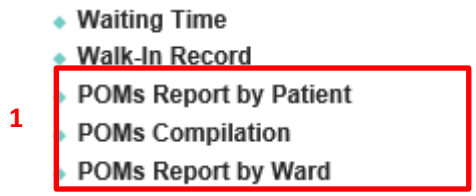
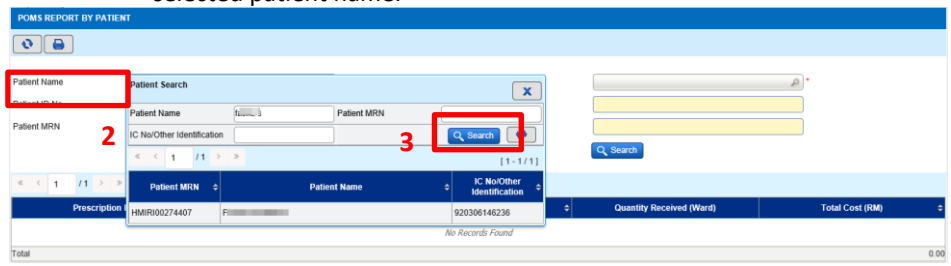
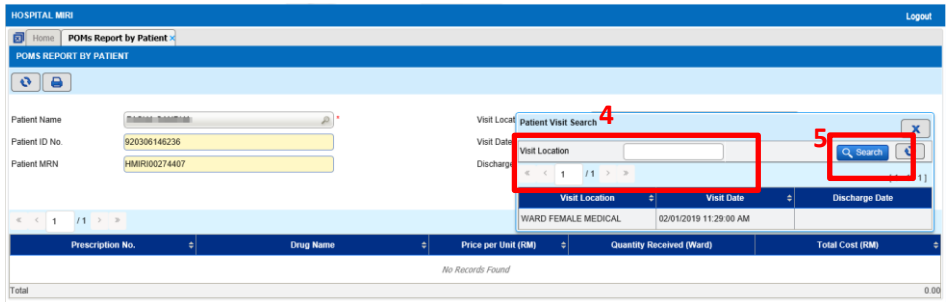
UBAT TERKAWAL 06/03/2019 09:29 AM

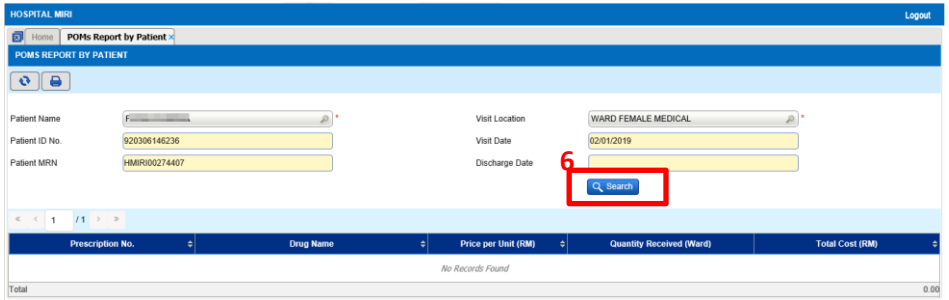
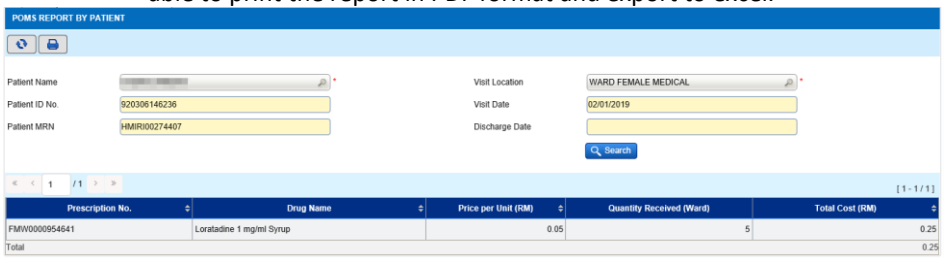
Function Flow	Current Version 2.0	New Version 2.2
		HOSPITAL MIRI (Tel: 085420033) **PATIENT'S OWN MEDICINES (POMs)** [redacted] 00114581 WARD FEMALE MEDICAL 90083[redacted] **Allopurinol 300 mg Tablet** Telan 1 tablet 1 Kali Sehari - Boleh diambil SEBELUM ATAU SELEPAS makan. Jika alami ruam, demam, sakit tekak atau iritasi mata,. Hentikan pengambilan ubat. Rujuk doktor/ahli farmasi. **05/03/2019 Kuantiti 5 biji** **UBAT TERKAWAL 06/03/2019 09:29 AM** 7. Then go to Screening or Preparation screen and click on *Medication Profile link(7).* 

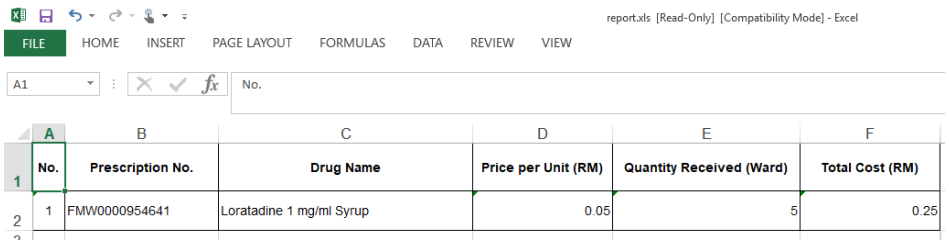
Function Flow	Current Version 2.0	New Version 2.2
		8. Medication Profile screen will appear and clicks on *Dispense Qty(8)* link to see the drug details.  9. Dispensing History Details screen will appear and show the dispense quantity as *POMs(9)*. No stock will be deducted from unit catalog.  ***Notes**: POM will be one of the dispensing type. User can **dispense as POMs** where **no stock will be deducted**. Status of the medication will be updated similar to 'Not to dispense' process.* *a) If normal drug has been changed to POMs drug and POMs Received Qty value has been entered, user will not able to update this drug back to normal order.* *b) If user intervene POMs drug back to normal drug (by untick the POMs checkbox in intervention screen), **POMs Received Quantity** will be updated back to '0'.These drug will then flow as normal order.*

Function Flow	Current Version 2.0	New Version 2.2
4. Change ward stock to POMS drug	1. User create and confirm on ward stock order.  2. *No POMS checkbox available(1)* in this version. User not able to change ward stock drugs to POMS.	1. User create and confirm on ward stock order. POMS checkbox is available. *a.* At Screening stage - Before update flag to POMS display as *ward stock(1)*  *b.* At MAR screen - Before update flag to POMS display as *ward stock(2).*  2. At Screening, *update POMS flag(3) by ticked on the checkbox.*

Function Flow	Current Version 2.0	New Version 2.2
		 3. Record will changed from ward stock to POMs drugs. User then able to enter the POMS received quantity by click on *POMs Received link(4).*  4. Enter value at *POMS Receive Qty(5).* 5. In MAR, once this ward stock is change to POMS, background color change to pink and user shall not be able to enter the *stock value(6) anymore.* 

Function Flow	Current Version 2.0	New Version 2.2
5. Generate POMS report : POMS1, POMS2 and POM3	Not available in this version.	1. Go to Report/Enquiry>Pharmacy>Inpatient Outpatient module and user can find new reports, called *POMS Report by Patient, POMS Compilation and POMs Report by Ward(1)* from the main menu.  2. POMS1 – POMS Report By Patient a. Choose **POMs Report by Patient** to open the listing page. b. Choose filter *by Patient Name(2)* first then click on *Search(3).* Select the selected patient name.  c. Then filter by *Visit Location(4)* and click on *Search(5).* Select the visit location. 

Function Flow	Current Version 2.0	New Version 2.2
		d. Once patient name and visit location is being selected, click on *Search(6)* button.  e. Report will list out the drug name for patient that ordered as POMs. User able to print the report in PDF format and export to excel.  **KEMENTERIAN KESIHATAN MALAYSIA** **Hospital Miri** **BORANG PENGUMPULAN DATA KOS PENJIMATAN UBAT-UBATAN MELALUI PELAKSANAAN POMs 1** **Patient Name** : F[redacted] **Patient ID No.** : HMIRI00274407 **Patient MRN** : 92030[redacted] **Visit Location** : WARD FEMALE MEDICAL **Visit Date** : 02/01/2019 **Discharge Date** : No. | Prescription No. | Drug Name | Price per Unit (RM) | Quantity Received (Ward) | Total Cost (RM) 1 | FMW0000954641 | Loratadine 1 mg/ml Syrup | 0.05 | 5 | 0.25 **Total** 0.25

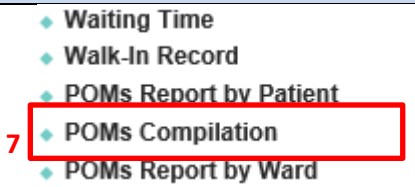
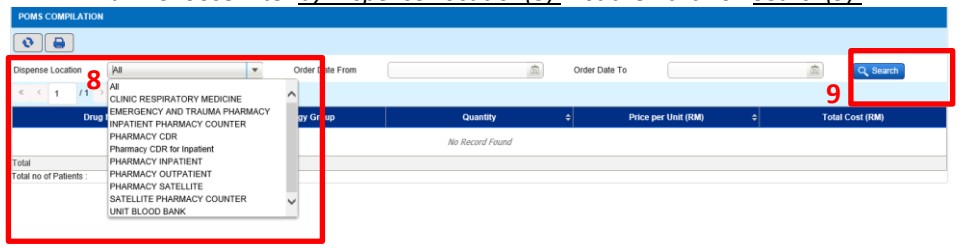
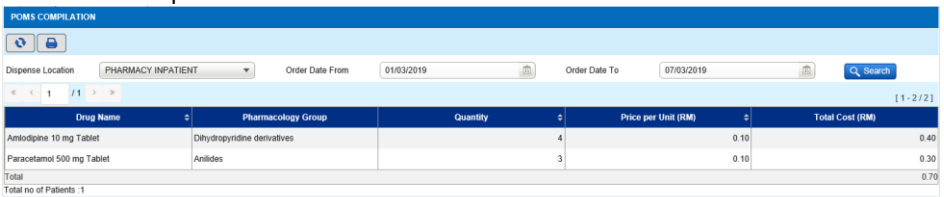
Function Flow	Current Version 2.0	New Version 2.2
		 a) Report Header i. Patient Name ii. Patient ID iii. MRN iv. Visit Location – Latest patient location v. Visit Date vi. Discharge Date b) Report details as below: i. Prescription Number – Prescription number generated when create order ii. Drug name – Name of drug dispensed as POMs from medication order iii. Price per Unit (RM) – Dispensed price (from drug master) iv. Quantity Received (Ward) - Total Quantity Drug for POMs quantity entered by user in POMs Received Qty screen v. Total Cost – Total cost of POMs drugs **Notes**: *POMS REPORT BY PATIENT- Report display is by **visit date and visit location**. User must select for which visit they wants to view.* 3. POMS2 – POMS Compilation: a. Choose on ***POMs Compilation**(7)* report to open the listing page.

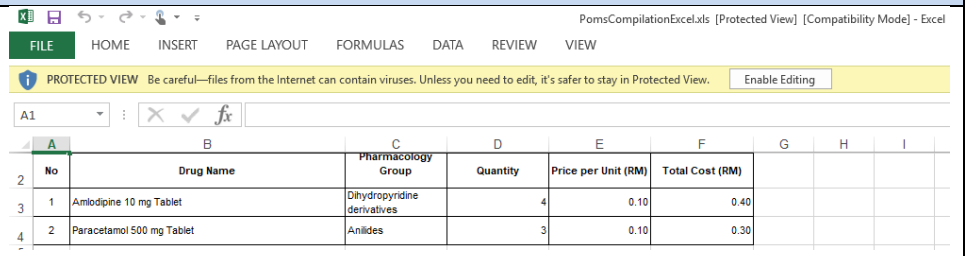
report.xls [Read-Only] [Compatibility Mode] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

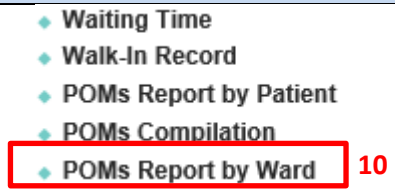
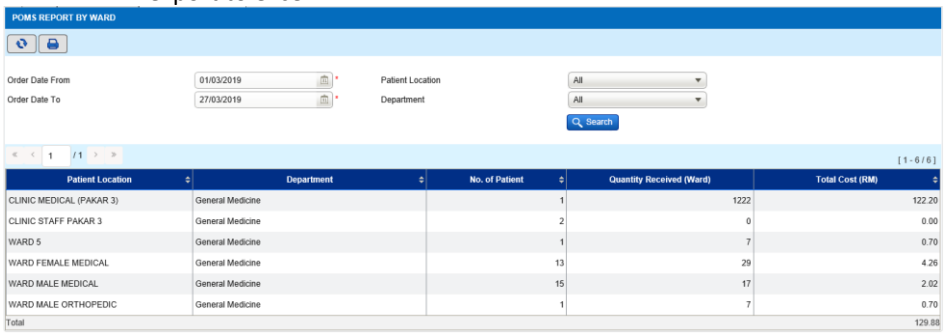
A1 No.

No.	Prescription No.	Drug Name	Price per Unit (RM)	Quantity Received (Ward)	Total Cost (RM)
1	FMW0000954641	Loratadine 1 mg/ml Syrup	0.05	5	0.25

Function Flow	Current Version 2.0	New Version 2.2
		 b. Choose filter *by Dispense Location(8)* first then click on *Search(9).*  c. Report will be display. User able to print the report in PDF format and export to excel.  **KEMENTERIAN KESIHATAN MALAYSIA** **Hospital Miri** **BORANG PENGUMPULAN DATA KOS PENJIMATAN UBAT-UBATAN MELALUI PELAKSANAAN POMs 2** **Dispensing Location** : PHARMACY INPATIENT **Order Date From** : 01/03/2019 **Order Date To** : 07/03/2019 | No | Drug Name | Pharmacology Group | Quantity | Price per Unit (RM) | Total Cost (RM) | | 1 | Amlodipine 10 mg Tablet | Dihydropyridine derivatives | 4 | 0.10 | 0.40 | | 2 | Paracetamol 500 mg Tablet | Anilides | 3 | 0.10 | 0.30 | **Total** 0.70 **Total no of Patients** : 1

Function Flow	Current Version 2.0	New Version 2.2
		 a) Report Header i. Dispensing Location – the dispensing location of POMs drugs ii. Order Date From – the order date from in date/ year iii. Order Date To – the order date to in date/year iv. Total of Patient - Total of patient where dispensed as POMS for the selected month. (1 patient with multiple POM dispensing consider as 1). b) Report details as below: i. Drug name – Name of drug dispensed as POMs from medication order ii. Pharmacology group (ATC level 4) – active ingredient with multiple ATC code (level4) will be display as multiple group, split by separator. iii. Quantity - Total Quantity Drug for POMs. (for normal and discharge) iv. *Quantity = Quantity entered in POMs Received Qty and dispensed by pharmacist* v. Price per Unit (RM) – Dispensed price (from drug master) vi. Total Cost (RM) – Total cost of drugs that have been saved through the implementation of POMS ***Total Cost = POM Quantity x Dispensed Price*** 4. POMS3 – POMS Report by Ward: a. Choose on ***POMs Report By Ward****(10)* report to open the listing page.

No	Drug Name	Pharmacology Group	Quantity	Price per Unit (RM)	Total Cost (RM)
1	Amlodipine 10 mg Tablet	Dihydropyridine derivatives	4	0.10	0.40
2	Paracetamol 500 mg Tablet	Anilides	3	0.10	0.30

Function Flow	Current Version 2.0	New Version 2.2
		 b. Choose filter *by Order Start Date From/To(11).* c. Then click on *Search(12)* button. d. Report will be display. User able to print the report in PDF format and export to excel. 

Function Flow	Current Version 2.0	New Version 2.2
		KEMENTERIAN KESIHATAN MALAYSIA **Hospital Miri** **BORANG PENGUMPULAN DATA KOS PENJIMATAN UBAT-UBATAN MELALUI PELAKSANAAN POMs 3** **Order Date From** : 01/03/2019 **Patient Location** : All **Order Date To** : 27/03/2019 **Department** : All POMsReportByWardExcel.xls [Protected View] [Compatibility Mode] - Excel FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing A1 No. a) Filter By: i. Order Date From/To * (mandatory) ii. Patient Location iii. Department

No.	Patient Location	Department	No. of Patient	Quantity Received (Ward)	Total Cost (RM)
1	CLINIC MEDICAL (PAKAR 3)	General Medicine	1	1222	122.20
2	CLINIC STAFF PAKAR 3	General Medicine	2	0	0.00
3	WARD 5	General Medicine	1	7	0.70
4	WARD FEMALE MEDICAL	General Medicine	13	29	4.26
5	WARD MALE MEDICAL	General Medicine	15	17	2.02
6	WARD MALE ORTHOPEDIC	General Medicine	1	7	0.70
Total					129.88

No.	Patient Location	Department	No. of Patient	Quantity Received (Ward)	Total Cost (RM)
1	CLINIC MEDICAL (PAKAR 3)	General Medicine	1	1222	122.20
2	CLINIC STAFF PAKAR 3	General Medicine	2	0	0.00
3	WARD 5	General Medicine	1	7	0.70
4	WARD FEMALE MEDICAL	General Medicine	13	29	4.26
5	WARD MALE MEDICAL	General Medicine	15	17	2.02
6	WARD MALE ORTHOPEDIC	General Medicine	1	7	0.70

Function Flow	Current Version 2.0	New Version 2.2
		b) Report Header i. Order Date From/To – the order start date from and to ii. Patient Location – the patient ward location assigned to patient iii. Department – department of the location c) Report details as below: i. Ward – the ward location of the patient ii. Department – the department of the ward assigned to patient iii. No. Of POMs Patient – Total of patient that used own medication drugs (*note: 1 patient with multiple POM dispensing consider as 1*). iv. Quantity Received (Ward)- Total Quantity Drug for POMs received quantity entered by user when patient in ward. v. Total (RM) – Total cost of drugs that have been saved through the implementation of POMS ***Total Cost = POM Quantity x Dispensed Price***