



# **Pharmacy Information System (PhIS) and Clinic Pharmacy System (CPS)**

---

## **User Manual Ward Pharmacy**

<b>Version</b>	<b>: 13<sup>th</sup> Edition</b>
<b>Document ID</b>	<b>: U. MANUAL_WARD PHARMACY</b>



PhIS & CPS Project  
User Manual – Ward Pharmacy



© 2011-2023 Pharmacy Information System & Clinic Pharmacy System (PhIS & CPS) Project

**CONFIDENTIAL COPYRIGHTED MATERIAL**–The information includes all concepts, comments, recommendations, and material, contained herein shall remain the property of Pharmacy Information System & Clinic Pharmacy System (PhIS & CPS) Project. No portion of this document shall be disclosed, duplicated or used in whole or in part of any purpose other than the purpose of the Pharmacy Information System & Clinic Pharmacy System (PhIS & CPS) Project execution only

Reference ID : U. MANUAL\_WARD PHARMACY-13<sup>th</sup> E

Application reference: PhIS & CPS v2.6.1



## Table of Content

1.0	Introduction .....	1
1.1	Overview of PhIS.....	1
1.2	Purpose and Objectives .....	1
1.3	Organised Sections .....	1
2.0	Application Standard Features .....	2
2.1	PhIS Legend .....	2
2.2	Latest Enhancement and Updates .....	<b>Error! Bookmark not defined.</b>
3.0	Ward Pharmacy .....	4
	Overview .....	4
	User Group .....	4
	Functional Diagram.....	4
	Functional Description .....	4
3.1	Ward Pharmacy (CP2).....	5
3.1.1	CP2.....	5
3.1.2	CP1.....	11
3.1.3	Daily Review .....	15
3.1.4	Vital Sign.....	18
3.1.5	I/O Chart .....	20
3.1.6	Monitoring Parameter.....	21
3.1.7	Culture & Sensitivity .....	23
3.1.8	Pharmaceutical Care Issue .....	25
3.1.9	CP4.....	29
3.1.10	MyMAAT .....	35
4.0	Acronyms.....	39
5.0	Links to Clinical Modules.....	39

## 1.0 Introduction

### 1.1 Overview of PhIS

Pharmacy Information System or better known as PhIS, is a complete and comprehensive system that integrates pharmacy related services geared towards pharmacy excellence. PhIS implementation would transform most of current manual process to electronic system would benefit facility end user in the health care sector.

There are 12 modules to assist services delivery by the health care sector which comprises of:

1. Order Management
2. Inpatient Pharmacy
3. Outpatient Pharmacy
4. Medication Counselling
5. Ward Pharmacy
6. Pharmacy Inventory
7. Manufacturing of Cytotoxic Drug Reconstitution, Parenteral Nutrition, IV Admixture & Eye Drop, Radiopharmaceuticals and Extemporaneous
8. Adverse Drug Reaction & Drug Allergic (ADR & DAC)
9. Clinical Pharmacokinetics Services (TDM)
10. Drug Information & Consumer Education (DICE)
11. Medication Therapy Adherence Clinic (MTAC)
12. Data Mining (PhARM)

### 1.2 Purpose and Objectives

This user manual outlines the Ward Pharmacy sub-module and its key features and functionalities. The primary objective is to help guide user through the process of completing PhIS application process.

User will understand the following activities in details:

- Ward Pharmacy (CP2)

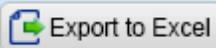
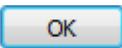
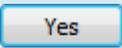
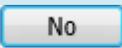
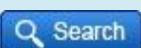
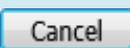
### 1.3 Organised Sections

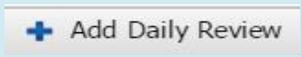
These are the sections within this document:

- Section 1: Introduction
- Section 2: Application Standard Features
- Section 3: Ward Pharmacy
- Section 4: Acronyms
- Section 5: Links to Clinical Modules

## 2.0 Application Standard Features

### 2.1 PhIS Legend

Standard Legend			
	Login to PhIS		Logout from PhIS
	Close All Open Tabs		Refresh Screen
	Expand Menu		Collapse Menu
	Expand Module		Collapse Module
	Add/Create New Record		Save
	Close Window		Calendar Icon
	Save Transaction		Delete Record
	Export Report From PDF file to Excel file		OK Button
	Yes Button		No Button
	Radio Button	<input type="checkbox"/>	Checkbox
	System Automatic Generate Record No.		Automatically Display/Retrieve Box
	Reset Login Screen		Show Help
	Display Home Tab		Search Record
	Cancel		Dropdown Box
	Search Icon	*	Mandatory Field
	Edit Record		Empty Text Box
	Cancel Button		

<b>Ward Pharmacy (CP2) Module Legend</b>			
	To record daily review patient		Add/update Record

**Note**

To learn more about Login Information, kindly click [Login Information](#) module for descriptive steps.

## 3.0 Ward Pharmacy

### Overview

The Ward Pharmacy module include Implementing safe and organized CP2 form, CP1 form, CP4 form, Pharmaceutical Care Issue (PCI) and lab result reporting

### User Group

This module is intended for pharmacist

### Functional Diagram

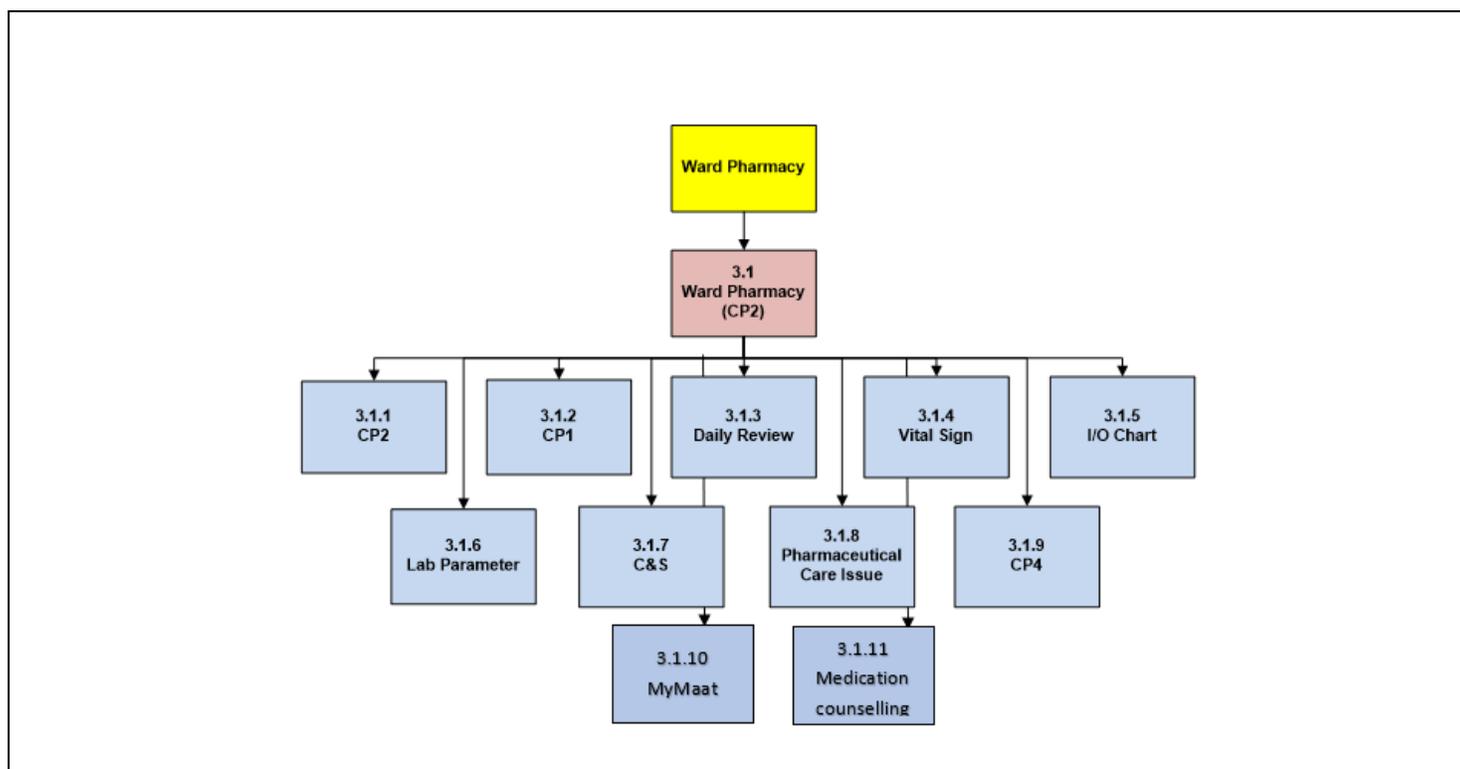


Figure 3.1

### Functional Description

Ward Pharmacy comprises of eleven (11) functions:

- CP1
- CP2
- Daily Review
- Vital Sign
- I/O Chart
- Monitoring Parameter
- C&S
- Pharmaceutical Care Issue
- CP4
- MyMaat
- Medication counselling

### 3.1 Ward Pharmacy (CP2)

#### 3.1.1 CP2

This function is used to transcribe CP2 form record in the system.

**PHARMACY INFORMATION SYSTEM**

HOSP. PAKAR SULTANAH FATIMAH Logout

Home Ward Pharmacy (CP2) ×

**WARD PHARMACY (CP2)**

Location: WAD 3 2 MRN:

Bed No:

IC No/Other Identification:

Admission Date:

Discharge Date:

CP1 Recorded: All

CP2 Recorded: All

CP1 Created By:

CP2 Created By:

3

[ 1 - 10 / 32 ]

Bed No	MRN	Patient Name	IC No/Other Identification	Location	Admission Date	Discharge Date	CP1 Recorded	CP1 Created By	CP2 Recorded	CP2 Created By	Home Leave
	HPSF00328368			WAD 3	30/12/2022		No		No		No
	HPSF00328382			WAD 3	09/11/2022		No		No		No
	HPSF00328431			WAD 3	29/06/2022		No		No		No
	HPSF00328419			WAD 3	24/06/2022		No		No		No
	HPSF00328411			WAD 3	24/06/2022		No		No		No

Figure 3.1.1-1 Ward Pharmacy Listing Page

**Note**

PhIs Screen menu/sub menu will be displayed according to user access right.

**STEP 1**

Click on Pharmacy Transaction menu then click on Clinical follow by click on Ward Pharmacy CP2

**STEP 2**

To search for patient Ward Pharmacy (CP2) records, user can search by criteria as follows:

Search			
No	Field	Description	Remark
a	Location	Location	Allow to search by assigned location: - Inpatient visit - Emergency visit - Daycare visit
b	MRN	Patient MRN	Allow to search by patient full or partial MRN No
c	Bed No	Bed No	Allow to search by patient bed no
d	IC No/Other Identification	IC No/Other Identification	Allow to search by patient full or partial IC No/Other Identification
e	CP1 Recorded?	- All - Yes - No	All-Allow to search by status 'Yes' and 'No' Yes-Allow to search by status 'Yes' No-Allow to search by status 'No'
f	CP2 Recorded?	- All	All-Allow to search by status 'Yes' and 'No'

		- Yes	Yes-Allow to search by status 'Yes'
		- No	No-Allow to search by status 'No'
G	CP1 Created By	CP1 Created By	Allow to search CP1 created by
h	CP2 Created By	CP2 Created By	Allow to search CP2 created by
i	Admission Date	Date Enter Ward	Allow to search by date enter to ward
j	Discharged Date	Date Dismissed from Ward	Allow to search by date dismissed from ward

**Table 3.1.1-1**

**Note**

Visit type 'Daycare and Pac' can record results within 5days of patient discharge date

**STEP 3**

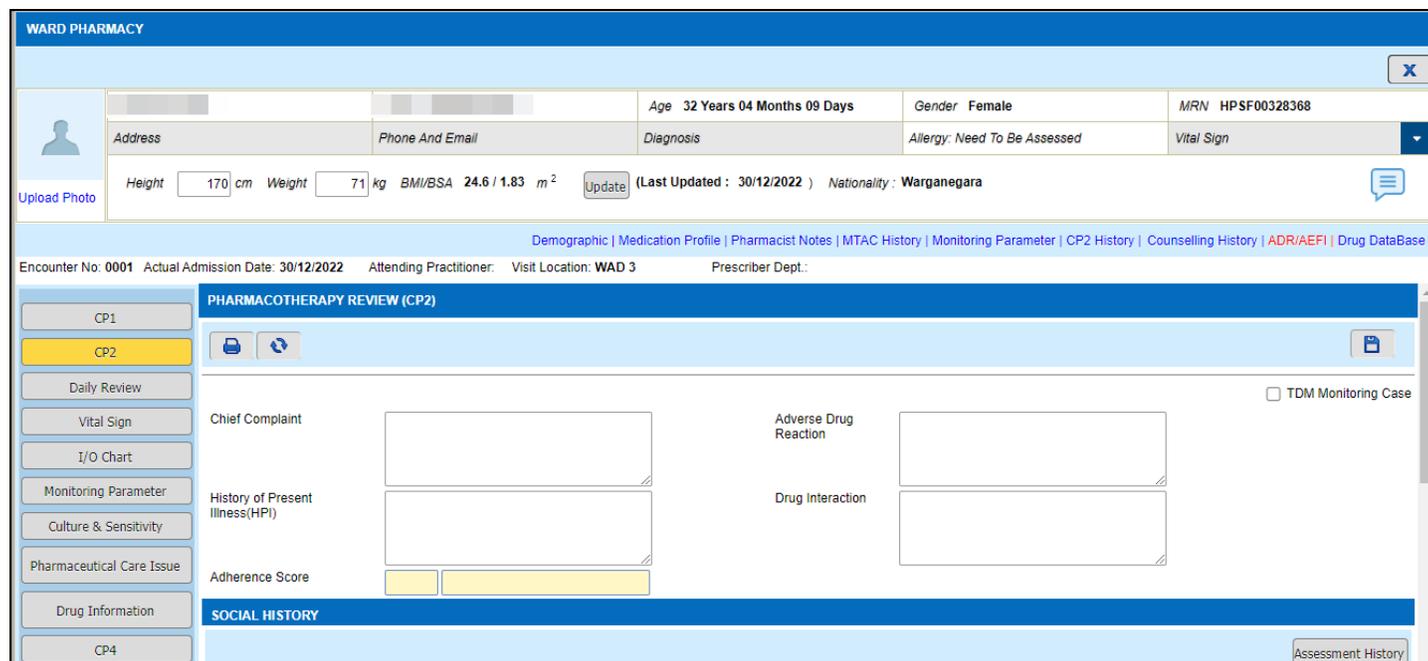
Click on the  button and result display will be based on the criteria

**Note**

If CP1 and CP2 already recorded for the particular patient, the listing will show Yes for both line.

**STEP 4**

Double click on patient name and user will enter the ward pharmacy CP2 function.



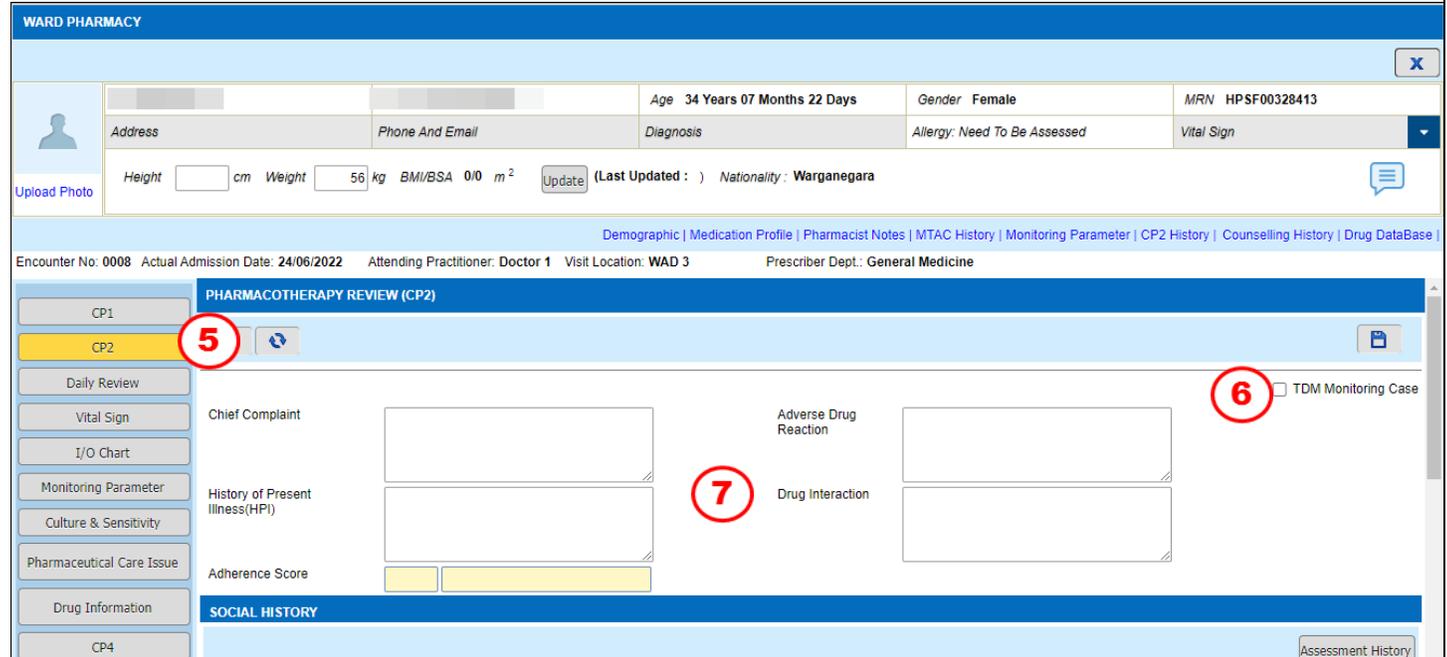
The screenshot displays the 'WARD PHARMACY' interface. At the top, there is a patient information header with fields for Name, Address, Phone And Email, Age (32 Years 04 Months 09 Days), Gender (Female), MRN (HPSF00328368), Diagnosis, Allergy (Need To Be Assessed), and Vital Sign. Below this, there are fields for Height (170 cm), Weight (71 kg), BMI/BSA (24.6 / 1.83 m<sup>2</sup>), and Nationality (Warganegara). A navigation bar includes links for Demographic, Medication Profile, Pharmacist Notes, MTAC History, Monitoring Parameter, CP2 History, Counselling History, ADR/AEFI, and Drug DataBase. The main content area shows 'PHARMACOTHERAPY REVIEW (CP2)' with a sidebar on the left containing tabs for CP1, CP2 (selected), Daily Review, Vital Sign, I/O Chart, Monitoring Parameter, Culture & Sensitivity, Pharmaceutical Care Issue, Drug Information, and CP4. The main area contains text boxes for Chief Complaint, Adverse Drug Reaction, History of Present Illness (HPI), and Drug Interaction, along with an Adherence Score section. A 'TDM Monitoring Case' checkbox is also present.

**Figure 3.1.1-2 Ward Pharmacy**

**Note**

- By default, system will CP2 screen
- User can navigate to other screen using tab on the left side that consist of:
  - CP1
  - CP2

- Daily Review
- Vital Sign
- I/O Chart
- Monitoring Parameter
- Culture & Sensitivity
- Pharmaceutical Care Issue
- Drug Information
- CP4
- Medication Counseling
- MyMAAT



**WARD PHARMACY**

Age 34 Years 07 Months 22 Days | Gender Female | MRN HPSF00328413

Address | Phone And Email | Diagnosis | Allergy: Need To Be Assessed | Vital Sign

Height [ ] cm | Weight 56 kg | BMI/BSA 0/0 m<sup>2</sup> | Update (Last Updated : ) | Nationality: Warganegara

Demographic | Medication Profile | Pharmacist Notes | MTAC History | Monitoring Parameter | CP2 History | Counselling History | Drug DataBase

Encounter No: 0008 | Actual Admission Date: 24/06/2022 | Attending Practitioner: Doctor 1 | Visit Location: WAD 3 | Prescriber Dept.: General Medicine

**PHARMACOTHERAPY REVIEW (CP2)**

CP1 | **CP2** | [Refresh] | [Save]

Daily Review | Vital Sign | I/O Chart | Monitoring Parameter | Culture & Sensitivity | Pharmaceutical Care Issue | Drug Information | CP4

Chief Complaint [ ] | Adverse Drug Reaction [ ] |  TDM Monitoring Case (6)

History of Present Illness(HPI) [ ] | Drug Interaction [ ] (7)

Adherence Score [ ] [ ]

**SOCIAL HISTORY**

Assessment History

Figure 3.1.1-3 Ward Pharmacy

**STEP 5**

Click on the **CP2** tab on the left side.

**Note**

CP2 consist of:

- Main
- Social History
- Family History
- Medical History
- Past Medication History

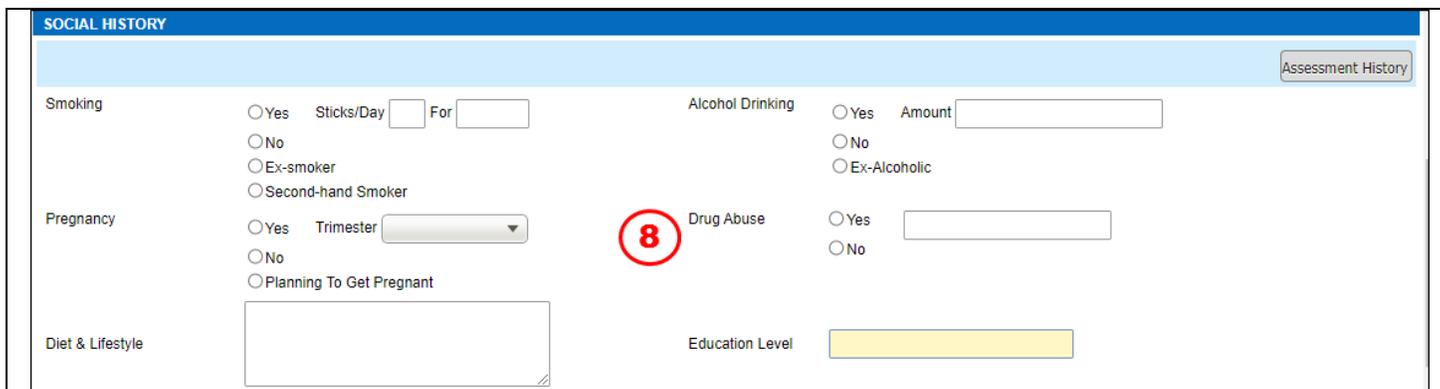
**STEP 6**

Select on **TDM Monitoring Case** checkbox if applicable

**STEP 7**

Enter the necessary information

- a) Chief Complaint
- b) HPI
- c) ADR
- d) Drug Interaction
- e) Adherence Score



**SOCIAL HISTORY**

Assessment History

Smoking  Yes Sticks/Day  For   No  Ex-smoker  Second-hand Smoker

Pregnancy  Yes Trimester   No  Planning To Get Pregnant

Diet & Lifestyle

Alcohol Drinking  Yes Amount   No  Ex-Alcoholic

**8** Drug Abuse  Yes   No

Education Level

Figure 3.1.1-4 Social History

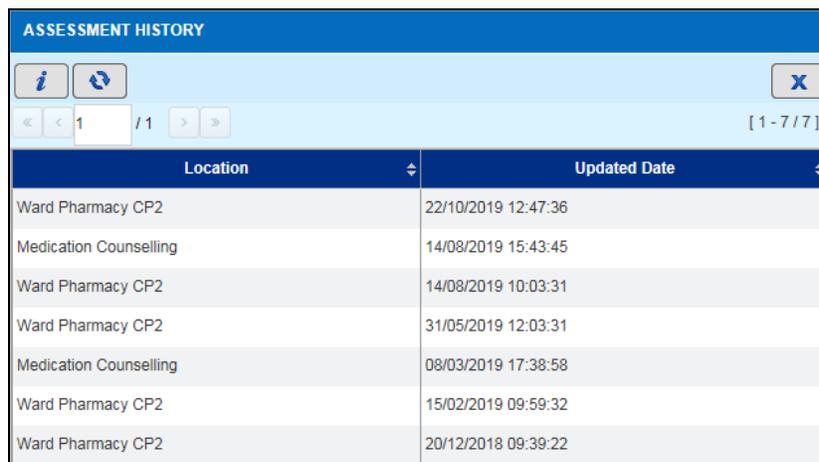
**STEP 8**

Enter the necessary information in Social History section. Social History section consist of:

- a) **Smoking**
- b) **Pregnancy**
- c) **Diet & Lifestyle**
- d) **Alcohol Drinking**
- e) **Drug Abuse**

**Note**

- **Pregnancy** field is disable if the patient gender is male
- **Education** is retrieved from **Patient Registration** function
- Click on the **Assessment History** button to view Assessment History as shown in Figure 3.1.1-5



Location	Updated Date
Ward Pharmacy CP2	22/10/2019 12:47:36
Medication Counselling	14/08/2019 15:43:45
Ward Pharmacy CP2	14/08/2019 10:03:31
Ward Pharmacy CP2	31/05/2019 12:03:31
Medication Counselling	08/03/2019 17:38:58
Ward Pharmacy CP2	15/02/2019 09:59:32
Ward Pharmacy CP2	20/12/2018 09:39:22

Figure 3.1.1-5 Assessment History

- User is allowed to copy information of Assessment History by double click on the selected record and the information will be updated into the Social History

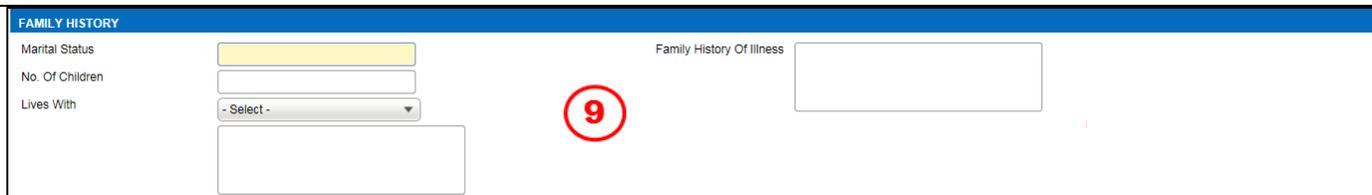


Figure 3.1.1-6 Family History

**STEP 9**

Fill in the necessary information in Family History section. Family History section consist of:

- a) **Marital Status**
- b) **No Of Children**
- c) **Lives With**
- d) **Family History of Illness**

**Note**

Information in Marital Status is available if information is filled in during patient registration function.

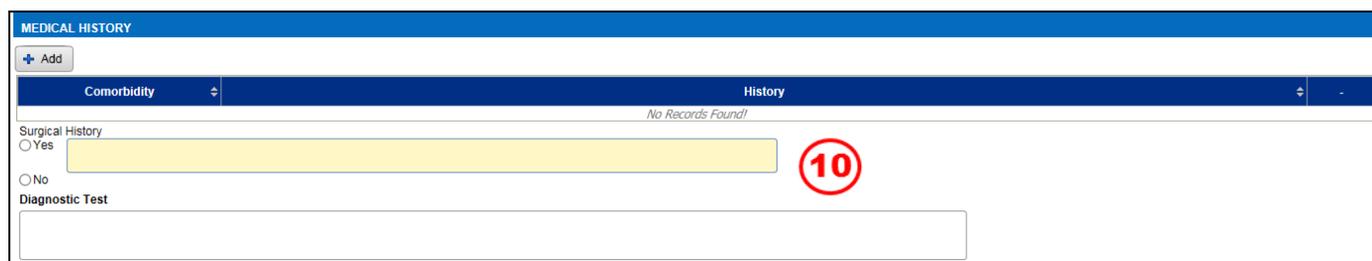


Figure 3.1.1-7 Medical History

**STEP 10**

Fill in the necessary information in the Medical History section. The Family History section consists of:

- a) **Comorbidity**
- b) **Surgical History**
- c) **Diagnostic Test**

**Note**

User can add patient comorbidity by click on the  button

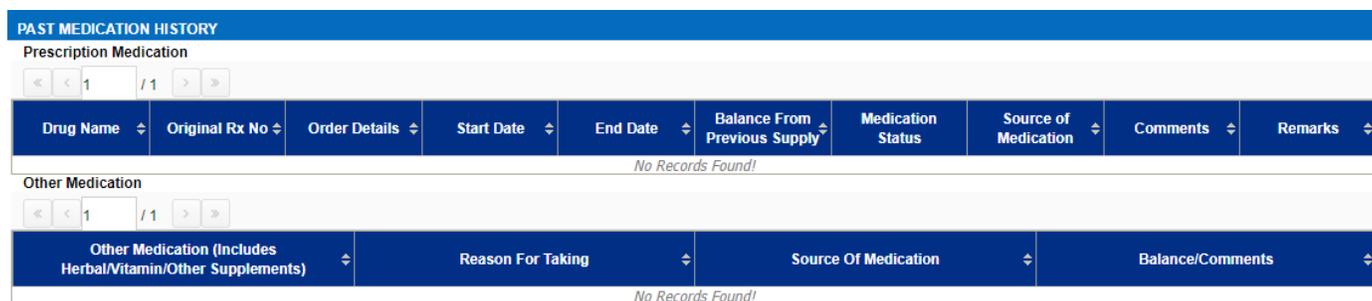


Figure 3.1.1-8 Past Medication History

**Note**

Past Medication History consist of:

- Prescription Medication
- Other Medication

- However, this field cannot be filling and need to be filled in CP1 screen.

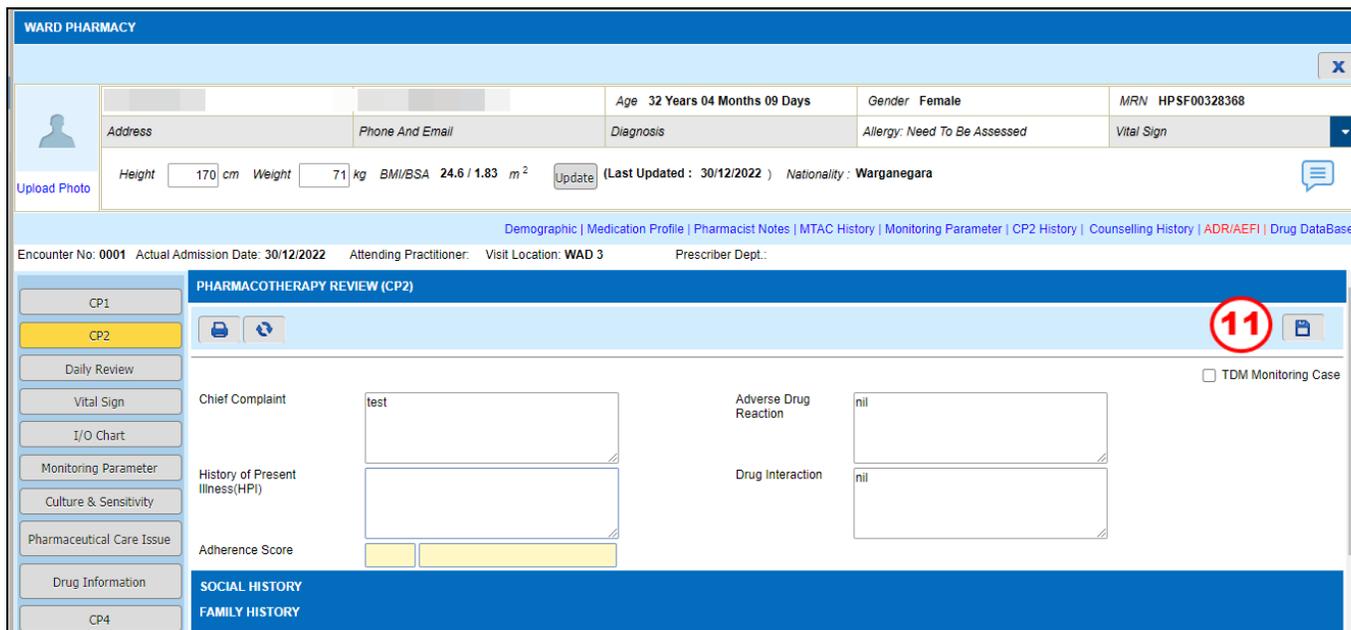


Figure 3.1.1-9 Ward Pharmacy (CP2)

**STEP 11**

Click on the  button to save the CP2 record and system will display confirmation alert as figure 3.1.1-10

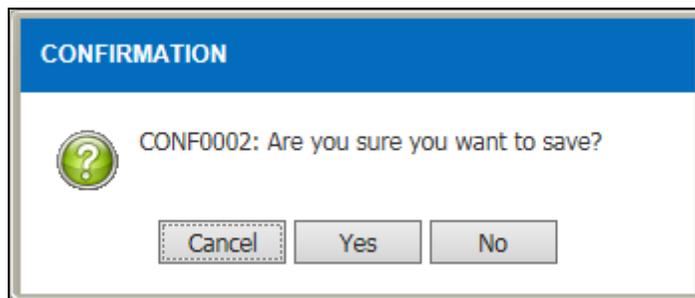


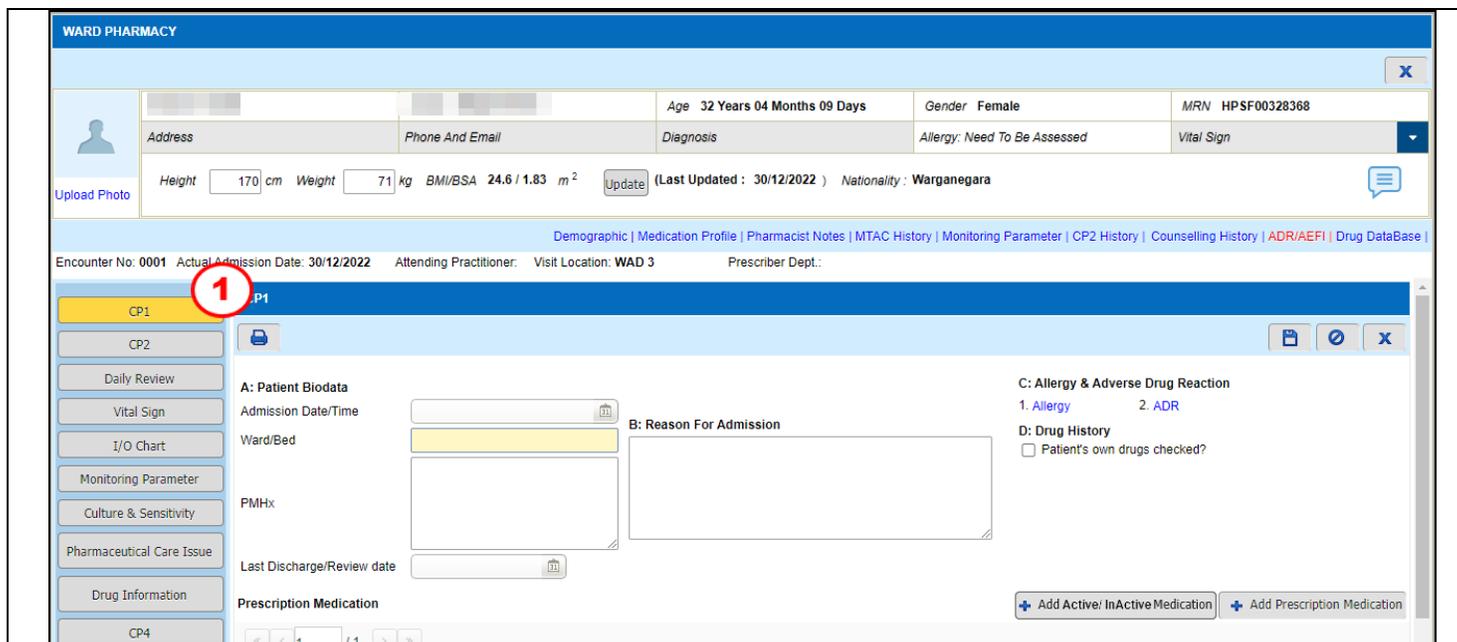
Figure 3.1.1-10 Confirmation Alert

**Note**

- Click on Yes the button to save the record.

### 3.1.2 CP1

The function of this menu is to record a complete patient medication history within 24 hours of admission.

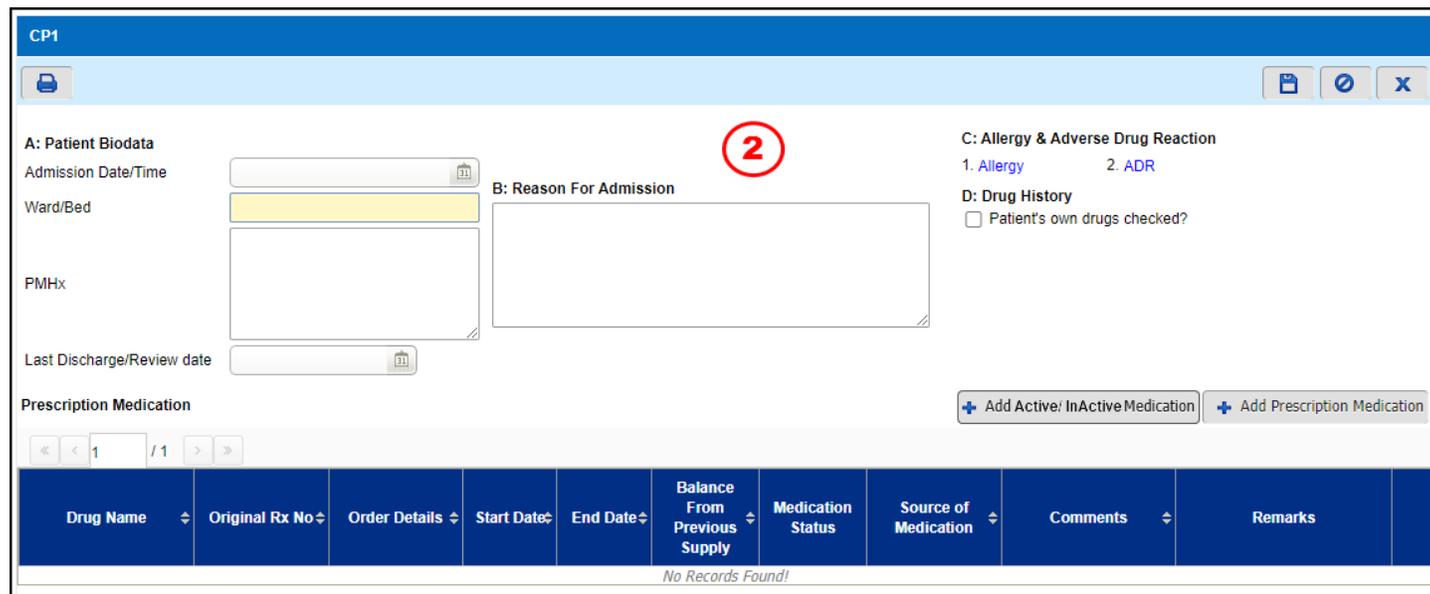


The screenshot shows the 'WARD PHARMACY' interface. At the top, there is a patient information summary including Age (32 Years 04 Months 09 Days), Gender (Female), and MRN (HPSF00328368). Below this, there are fields for Address, Phone And Email, Diagnosis, Allergy (Need To Be Assessed), and Vital Sign. A 'Height' field is set to 170 cm and 'Weight' to 71 kg. A red circle with the number '1' highlights the 'CP1' button in the left-hand navigation menu. The main content area shows the 'CP1' tab selected, with sections for Patient Biodata, Reason For Admission, Allergy & Adverse Drug Reaction, and Drug History.

Figure 3.1.2-1 CP1 Button

#### STEP 1

Click on the **CP1** tab on the left side



The screenshot shows the 'CP1' form in detail. A red circle with the number '2' highlights the 'Reason For Admission' text area. The form includes sections for Patient Biodata (Admission Date/Time, Ward/Bed, PMHx, Last Discharge/Review date), Reason For Admission, Allergy & Adverse Drug Reaction (Allergy, ADR), and Drug History (Patient's own drugs checked?). At the bottom, there is a table for Prescription Medication with columns: Drug Name, Original Rx No, Order Details, Start Date, End Date, Balance From Previous Supply, Medication Status, Source of Medication, Comments, and Remarks. The table currently shows 'No Records Found!'.

Figure 3.1.2-2 CP1

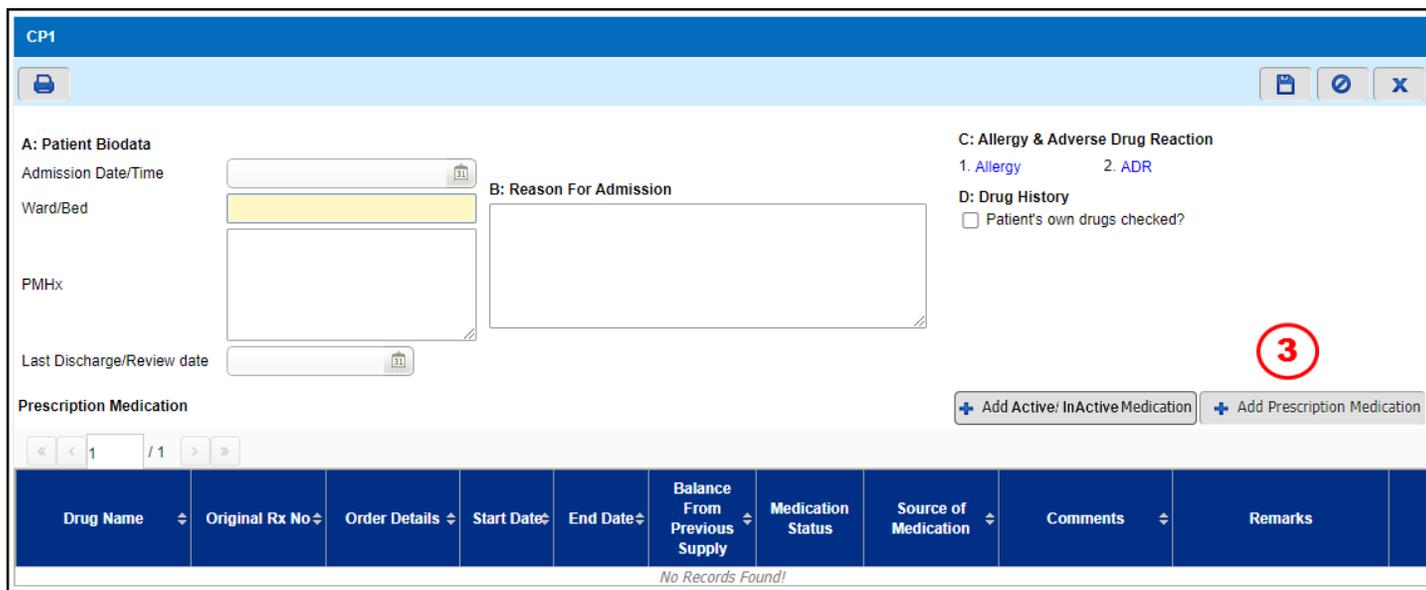
#### STEP 2

Enter the necessary information

- a) **A: Patient Biodata**
- b) **B: Reason For Admission**
- c) **D: Drug history**

**Note**

User can view information of patient Allergy and ADR at **C: Allergy & Adverse Drug Reaction** hyperlink



CP1

A: Patient Biodata  
Admission Date/Time  
Ward/Bed  
PMHx  
Last Discharge/Review date

B: Reason For Admission

C: Allergy & Adverse Drug Reaction  
1. Allergy 2. ADR  
D: Drug History  
 Patient's own drugs checked?

Prescription Medication  
+ Add Active/ InActive Medication + Add Prescription Medication

Drug Name	Original Rx No	Order Details	Start Date	End Date	Balance From Previous Supply	Medication Status	Source of Medication	Comments	Remarks
No Records Found!									

Figure 3.1.2-3 CP1

**Note**

**Add Active Medication:** prescription with Current Medication and Partially Supply

**Add InActive Medication:** prescription with fully supply and it is past 1 year from order date including Stop drug except Cancel drug

**STEP 3**

Click on the **+ Add Prescription Medication** button to enter the information as Figure 3.1.2-4.

Drug Name	Original Rx No	Order Details	Start Date	End Date	Balance From Previous Supply	Medication Status	Source of Medication	Comments	Remarks
<input type="checkbox"/> Paracetamol 10mg/ml i		TDS	17/07/20	17/07/20	10	Continue		ok	

Figure 3.1.2-4 Prescription Medication

**STEP 4**

Fill in all the necessary information

- Drug Name**
- Original Rx No**
- Order Details**
- Start Date**
- End Date**
- Balance From Previous Supply**
- Medication Status**
- Source of Medication**
- Comments**
- Remarks**

**Note**

- User is allowed to enter multiple of Medication by following **STEP 3** to **STEP 4**
- User is allowed to delete the information by click on the  button



Other Medication

+ Add Other Medication

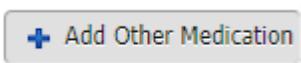
<< < 1 / 1 > >>

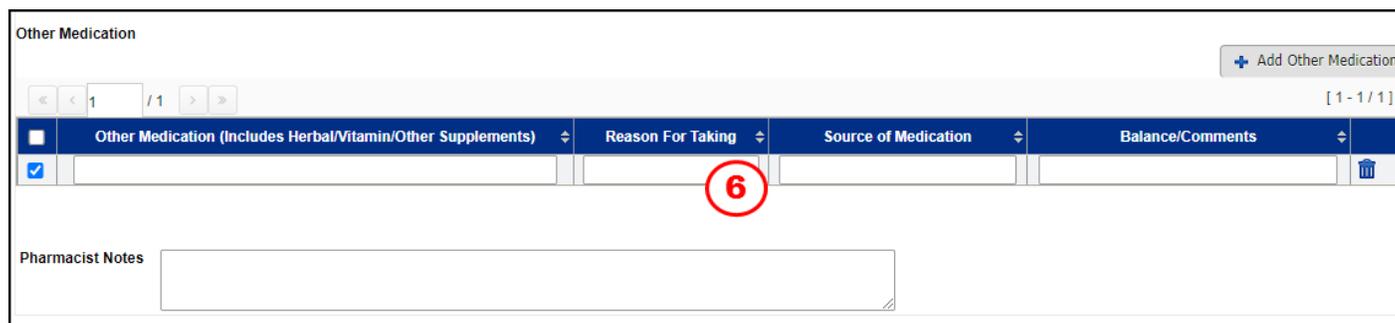
<input type="checkbox"/>	Other Medication (Includes Herbal/Vitamin/Other Supplements)	Reason For Taking	Source of Medication	Balance/Comments
<i>No Records Found!</i>				

Pharmacist Notes

Figure 3.1.2-6 CP1

**STEP 5**

Click on the  button to enter the information as Figure 3.1.2-7



Other Medication

+ Add Other Medication

<< < 1 / 1 > >> [ 1 - 1 / 1 ]

<input type="checkbox"/>	Other Medication (Includes Herbal/Vitamin/Other Supplements)	Reason For Taking	Source of Medication	Balance/Comments
<input checked="" type="checkbox"/>				

Pharmacist Notes

Figure 3.1.2-7 Other Medication

**STEP 6**

Fill in the necessary information

- a) **Other Medications (Includes Herbal/Vitamin/Other Supplement)**
- b) **Source of Medication**
- c) **Reason for Taking**
- d) **Balance/Comments**

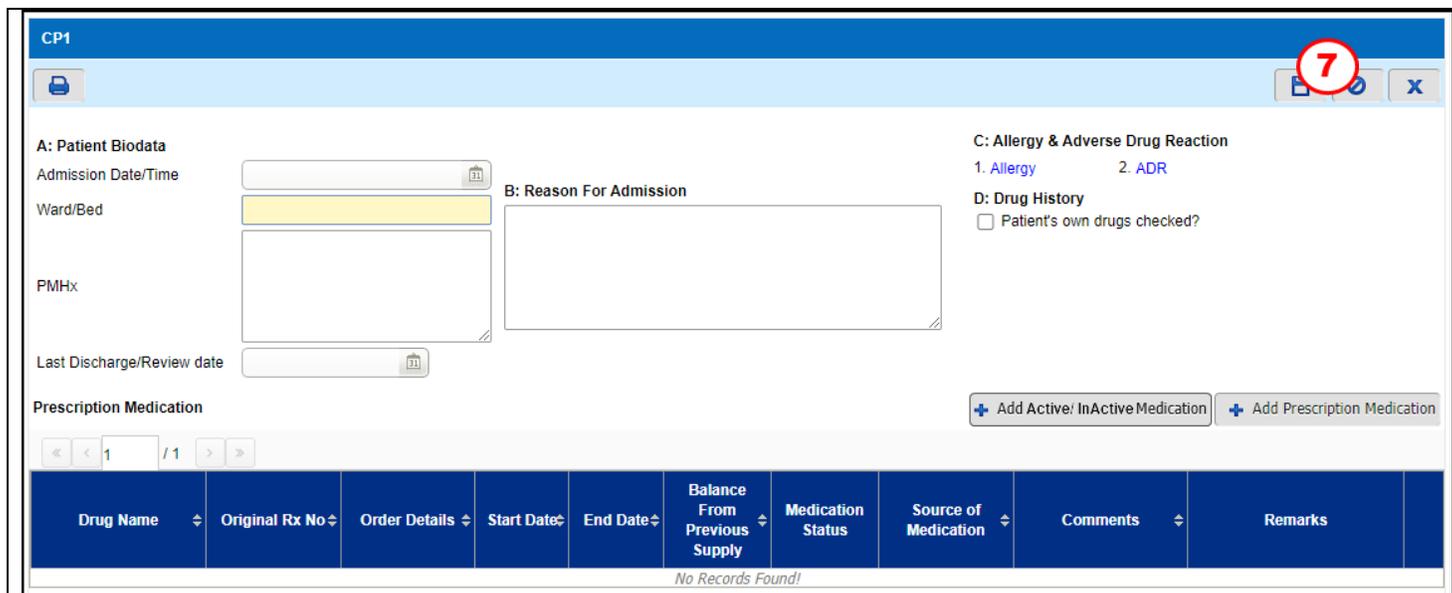


Figure 3.1.2-9 CP1

**STEP 7**

Click on the  button to save the CP1 record and confirmation alert will display as Figure 3.1.2-10

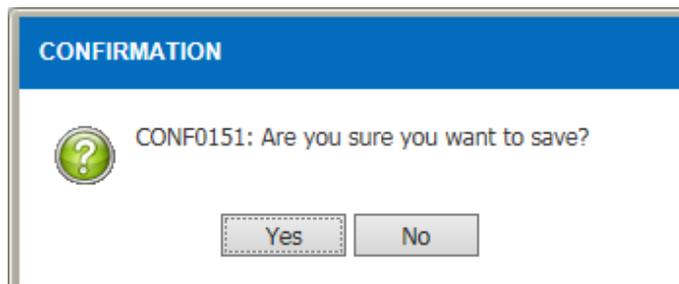


Figure 3.1.2-10 Confirmation Alert

**Note**

Information under Prescription Medication and Other medication will be display in the CP2 if user tick on the information checkbox.

### 3.1.3 Daily Review

To record Daily review, perform the step below:

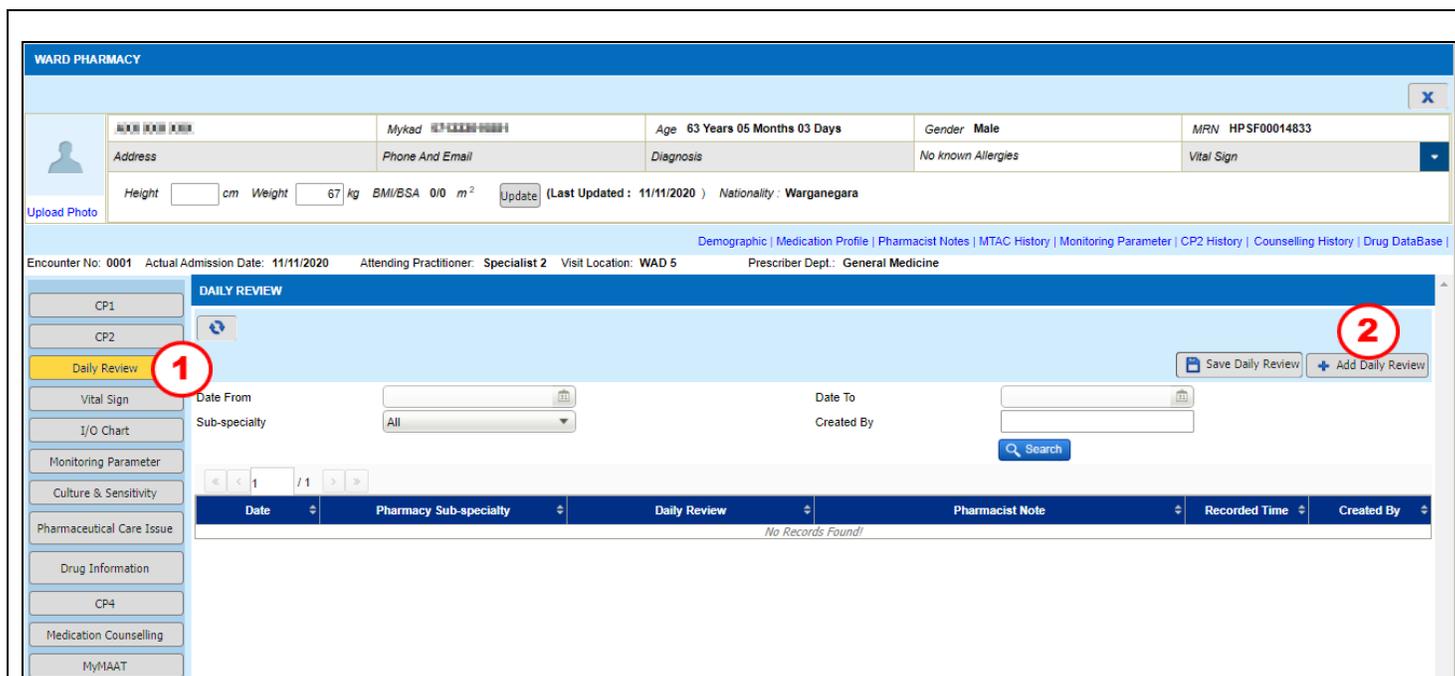


Figure 3.1.3-1 Daily Review

#### STEP 1

Click on the **Daily Review** tab on the left side.

#### STEP 2

Click on the **+ Add Daily Review** button and Add Daily Review screen will be display as Figure 3.1.3-2

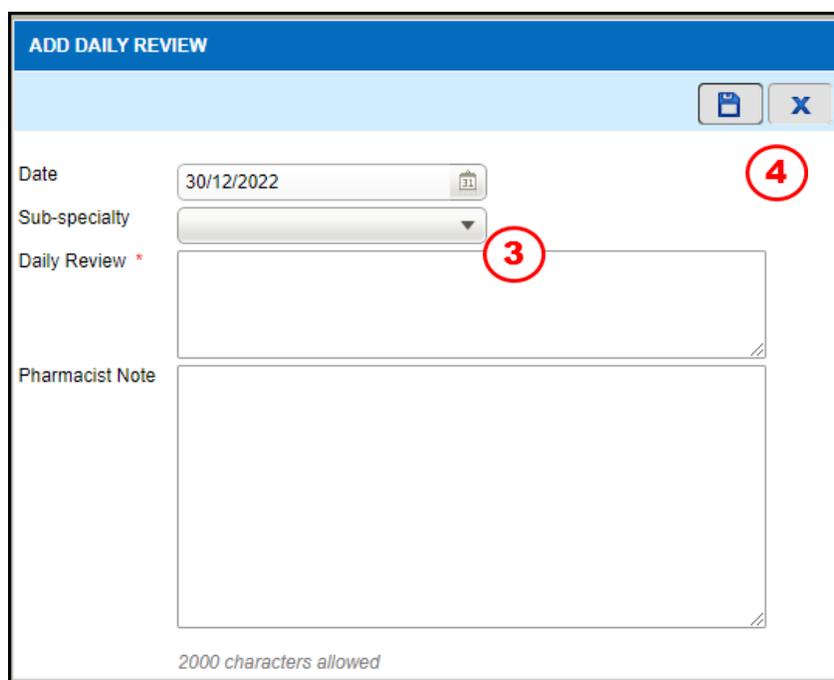


Figure 3.1.3-2 Add Daily Review

**STEP 3**

Fill in necessary information.

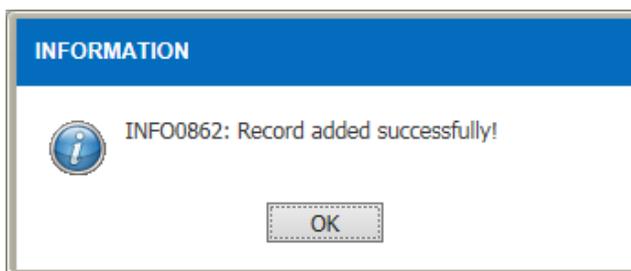
- a) **Date**
- b) **Sub-specialty**
- c) **Daily Review (mandatory)**
- d) **Pharmacist Note**

**Note**

- Pharmacist note characters had been increased to 2000 characters
- Daily review characters had been increased to 2000 characters

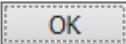
**STEP 4**

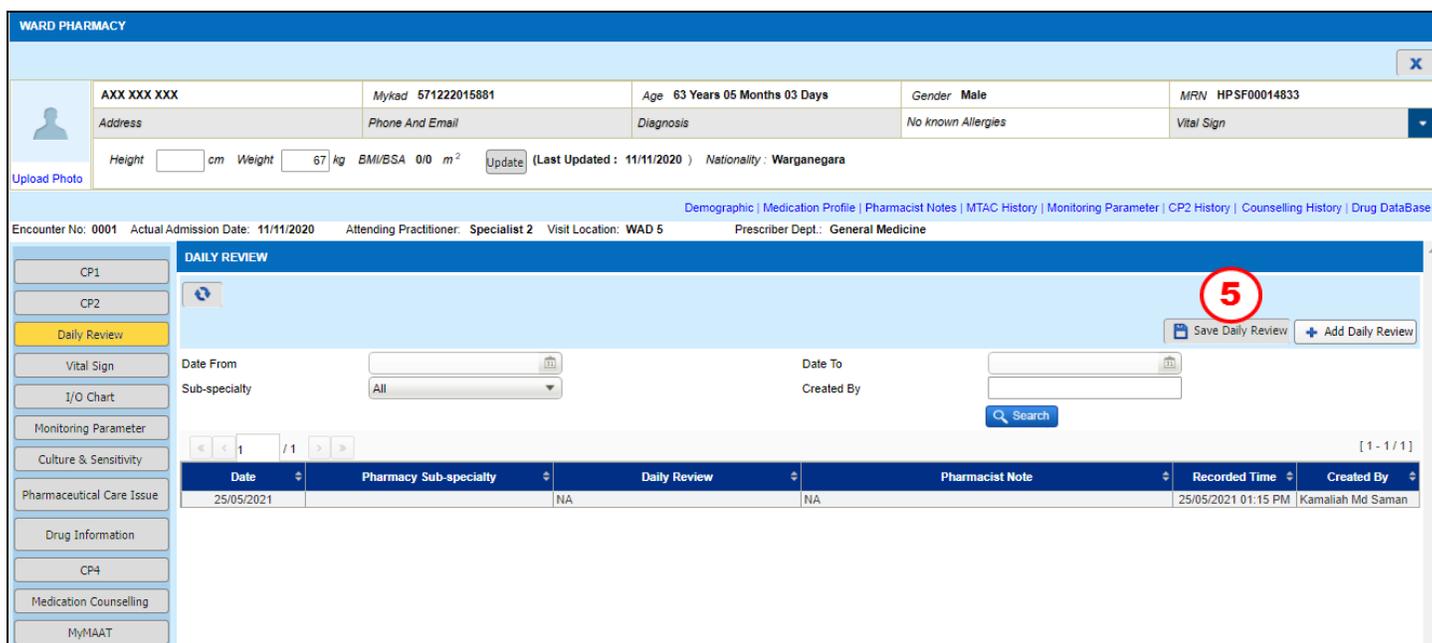
Click on the  button to save the record and confirmation alert will displayed as Figure 3.1.3-3



**Figure 3.1.3-3 Confirmation Alert**

**Note**

- Click on the  button to successfully save the record
- After save the record, the information will be displayed in the main screen as Figure 3.1.3-4



**WARD PHARMACY**

AXX XXX XXX    Mykad 571222015881    Age 63 Years 05 Months 03 Days    Gender Male    MRN HPSF00014833

Address    Phone And Email    Diagnosis    No known Allergies    Vital Sign

Height  cm    Weight  67 kg    BMI/BSA 0/0 m<sup>2</sup>    Update (Last Updated: 11/11/2020)    Nationality: Warganegara

Demographic | Medication Profile | Pharmacist Notes | MTAC History | Monitoring Parameter | CP2 History | Counselling History | Drug DataBase

Encounter No: 0001    Actual Admission Date: 11/11/2020    Attending Practitioner: Specialist 2    Visit Location: WAD 5    Prescriber Dept.: General Medicine

**DAILY REVIEW**

Save Daily Review    Add Daily Review

Date From:     Date To:

Sub-specialty: All    Created By:

Search

[ 1 - 1 / 1 ]

Date	Pharmacy Sub-specialty	Daily Review	Pharmacist Note	Recorded Time	Created By
25/05/2021	NA	NA		25/05/2021 01:15 PM	Kamaliah Md Saman

**Figure 3.1.3-4 Daily Review**

**Note**

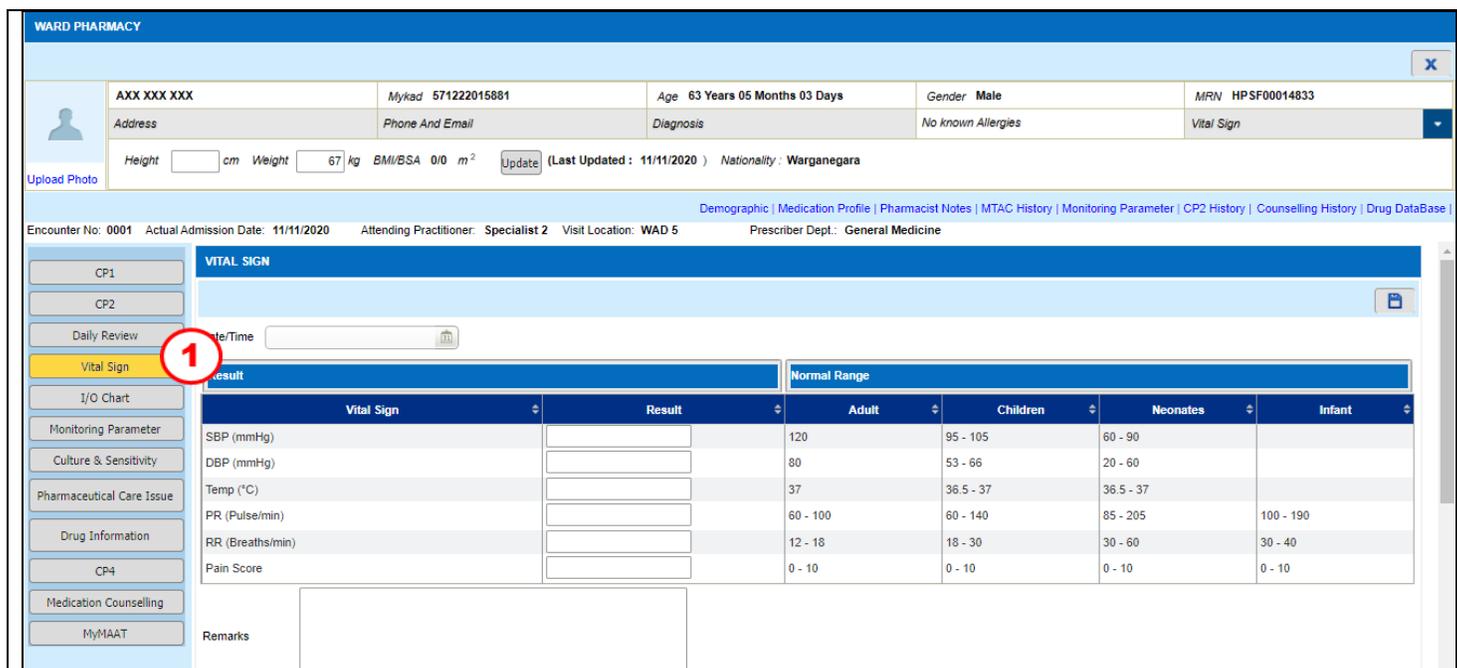
*User can edit the record by double click on the information.*

**STEP 5**

Click on the  button to save the Daily review record

### 3.1.4 Vital Sign

To record Vital Sign, perform the step below:



**WARD PHARMACY**

AXX XXX XXX Mykad 571222015881 Age 63 Years 05 Months 03 Days Gender Male MRN HPSF00014833

Address Phone And Email Diagnosis No known Allergies Vital Sign

Height  cm Weight 67 kg BMI/BSA 0/0 m<sup>2</sup> Update (Last Updated: 11/11/2020) Nationality: Warganegara

Encounter No: 0001 Actual Admission Date: 11/11/2020 Attending Practitioner: Specialist 2 Visit Location: WAD 5 Prescriber Dept.: General Medicine

**VITAL SIGN**

Date/Time

Vital Sign	Result	Normal Range			
		Adult	Children	Neonates	Infant
SBP (mmHg)	<input type="text"/>	120	95 - 105	60 - 90	
DBP (mmHg)	<input type="text"/>	80	53 - 66	20 - 60	
Temp (°C)	<input type="text"/>	37	36.5 - 37	36.5 - 37	
PR (Pulse/min)	<input type="text"/>	60 - 100	60 - 140	85 - 205	100 - 190
RR (Breaths/min)	<input type="text"/>	12 - 18	18 - 30	30 - 60	30 - 40
Pain Score	<input type="text"/>	0 - 10	0 - 10	0 - 10	0 - 10

Remarks

Figure 3.1.4-1 Vital Sign

#### STEP 1

Click on the **Vital Sign** tab on the left side.

**VITAL SIGN**

Date/Time: 26/08/2019 10:59 AM 2

Vital Sign	Result	Normal Range			
		Adult	Children	Neonates	Infant
SBP (mmHg)	118	120	95 - 105	60 - 90	
DBP (mmHg)	79	80	53 - 66	20 - 60	
Temp (*C)	37 <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">3</span>	37	36.5 - 37	36.5 - 37	
PR (Pulse/min)	80	60 - 100	60 - 140	85 - 205	100 - 190
RR (Breaths/min)	14	12 - 18	18 - 30	30 - 60	30 - 40
Pain Score	9	0 - 10	0 - 10	0 - 10	0 - 10

Remarks

Delete Add/Update 4

**Result List**

< < 1 / 1 > >

Date/Time	SBP	DBP	Temp	PR	RR	Pain Score	Remarks
No Records Found!							

Figure 3.1.4-2 Vital Sign

**STEP 2**

Select **Sample Date/Time**

**STEP 3**

Fill in necessary information

- SBP (mmHg)**
- DBP (mmHg)**
- Temp (\*C)**
- PR (Pulse/min)**
- RR (Breaths/min)**
- Pain Score**
- Remarks**

**STEP 4**

Click on the  button to add the information in to Result List as shown in Figure 3.1.4-3

**Result List**

< < 1 / 1 > > [1 - 1 / 1]

Date/Time	SBP	DBP	Temp	PR	RR	Pain Score	Remarks
26/08/2019 10:59 AM	118	79	37	80	14	9	

Figure 3.1.4-3 Vital Sign

**Note**

- User is allowed to delete the record by click on the  button
- User can update the record by double click on the information in the Result List and edit the information if applicable.
- Vital sign history can be viewed from Clinical Summary

### 3.1.5 I/O Chart

To record I/O Chart, perform the step below:

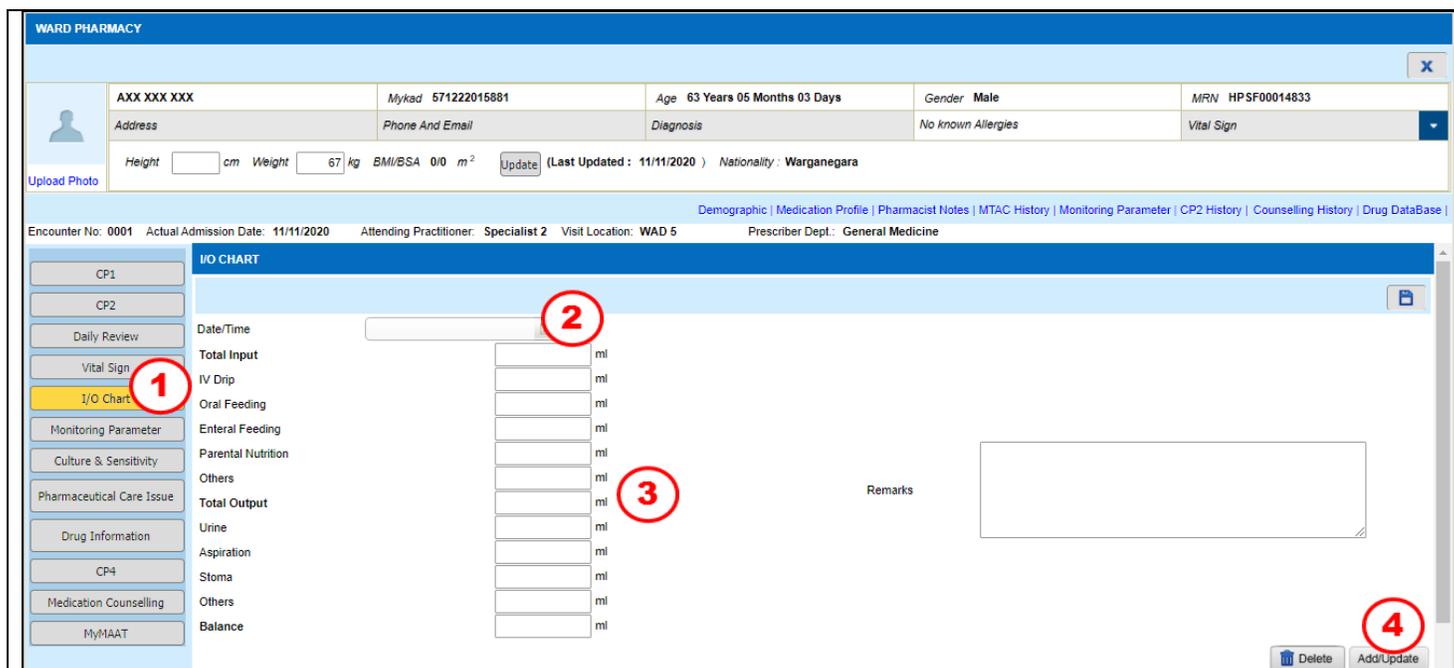


Figure 3.1.5-1 I/O Chart

#### STEP 1

Click on the **I/O Chart** tab on the left side

#### STEP 2

Select **Sample Date/Time**

#### STEP 3

Fill in all necessary information

- IVD**
- Oral Feeding**
- External Feeding**
- PN**
- Others**
- Urine**
- Aspiration/FF**
- Stoma**
- Others**
- Balance**
- Remarks**

#### STEP 4

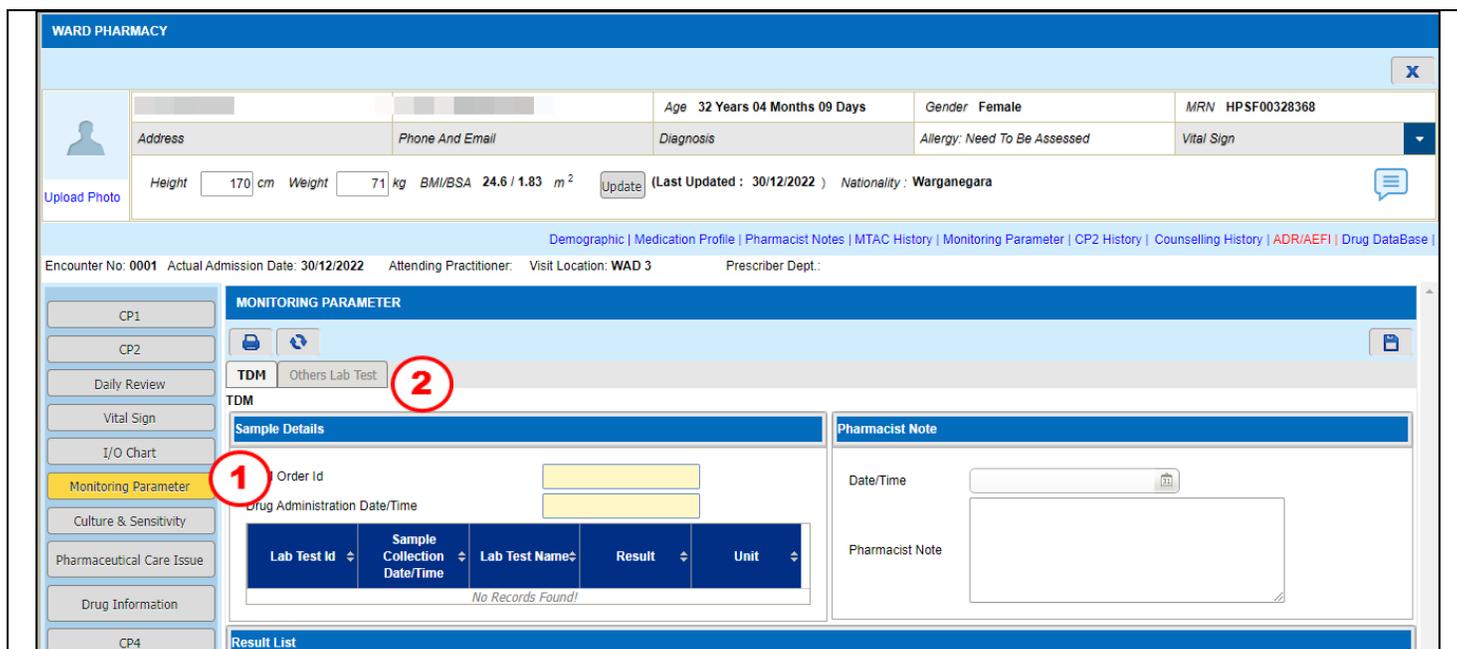
Click on the **Add/Update** button to add the information in to Result List

#### Note

- User is allowed to delete the record by click on the  **Delete** button
- User is allowed to update the record by double click on the information in the Result List and edit the information if applicable.

### 3.1.6 Monitoring Parameter

To record Monitoring Parameter, perform the step below:



The screenshot displays the 'WARD PHARMACY' interface. At the top, there is a patient profile with fields for Address, Phone And Email, Diagnosis, Allergy: Need To Be Assessed, and Vital Sign. Below this, there are fields for Height (170 cm), Weight (71 kg), BMI/BSA (24.6 / 1.83 m<sup>2</sup>), and Nationality (Warganegara). A navigation menu on the left includes options like CP1, CP2, Daily Review, Vital Sign, I/O Chart, Monitoring Parameter (highlighted), Culture & Sensitivity, Pharmaceutical Care Issue, Drug Information, and CP4. The main content area is titled 'MONITORING PARAMETER' and features a 'TDM' section with 'Sample Details' and 'Pharmacist Note' sub-sections. A table for 'Lab Test Id' is visible with the message 'No Records Found!'. Red circles with numbers 1 and 2 highlight the 'Monitoring Parameter' tab and the 'TDM' section respectively.

Figure 3.1.6-1 Monitoring Parameter

#### STEP 1

Click on the **Monitoring Parameter** tab on the left side

#### STEP 2

Select Monitoring Parameter that consist of:

- FBC**
- BUSE/RP**
- LFT**
- Coag**
- CE**
- Urine FEME**
- LP**
- Blood Sugar**
- ABG**
- Thyroid**
- RVD**
- Hepatitis**
- Drug Urine Test**
- Others**

**MONITORING PARAMETER**

i
🖨
↻

📄

FBC
BUSE/RP
LFT
Coag
CE
Urine FEME
LP
Blood Sugar
ABG
Thyroid
RVD
Hepatitis
Drug Urine Test
Others

**Full Blood Count**

Date/Time

Result		Normal Range			
Sample	Result	Adult	Children	Neonates	Infant
TWBC	<input type="text"/> x10/L	4 - 11 x 10 <sup>9</sup>	4.5-13.5	5-21	6-18
Neutrophils	<input type="text"/>	0.4-0.7	55	40	30
Lymphocytes	<input type="text"/>	0.22-0.44	38	63	48
Eosinophils	<input type="text"/>	0-0.08			
Basophils	<input type="text"/>	0-0.03			
RBC (/L)	<input type="text"/> x10 <sup>6</sup>	4.5- 6.3 x 10 <sup>12</sup>	3.7 - 6.5 x 10 <sup>12</sup>	3.7 - 6.5 x 10 <sup>12</sup>	
Monocytes	<input type="text"/>				
Hb (g/dL)	<input type="text"/> g/100ml	Male 13.5 - 17.5 Female 12 - 16			
HCT	<input type="text"/>	Male 0.41 - 0.53 Female 0.36 - 0.46	0.31 - 0.37	0.28 - 0.55	0.33 - 0.39
Platelet (/L)	<input type="text"/> x10L	150 - 400 x 10 <sup>9</sup>			
MPV	<input type="text"/>				
MCV (fL)	<input type="text"/> fL	80 - 100	76 - 80		70 - 74
MCH (pg/cell)	<input type="text"/>	26 - 34	26-32	29	27
MCHC (g/L)	<input type="text"/>	310 - 370	310 - 370	290 - 380	

**Result List**

No Records Found!

Date/Time	TWBC	Neutrophils	Lymphocytes	Eosinophils	Basophils	RBC (/L)	Monocytes	Hb (g/dL)	HCT	Platelet (/L)	MPV	MCV (fL)	MCH (pg/cell)	MCHC (g/L)	Remarks
No Records Found!															

Figure 3.1.6-2 Monitoring Parameter

**STEP 3**

Fill in all necessary information

**STEP 4**

Click on the  button to add the information in to Result List

**Note**

- User is allowed to delete the record by click on the  button
- User is allowed to update the record by double click on the information in the Result List and edit the information if applicable
- The step is the same for all other Monitoring Parameter

### 3.1.7 Culture & Sensitivity

To record C&S, perform the step below:

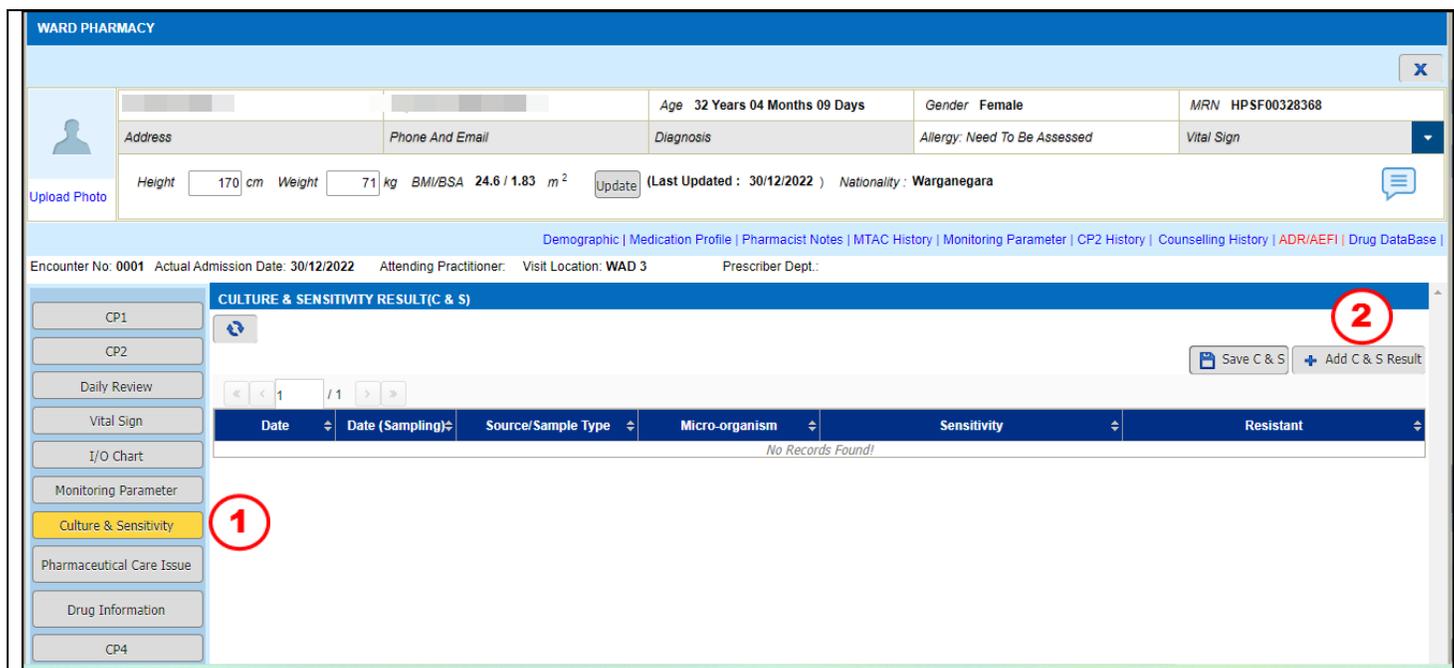
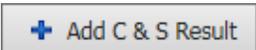


Figure 3.1.7-1 Culture & Sensitivity

#### STEP 1

Click on the  tab on the left side

#### STEP 2

Click on the  button and C&S Result screen will displayed as Figure 3.1.7-2

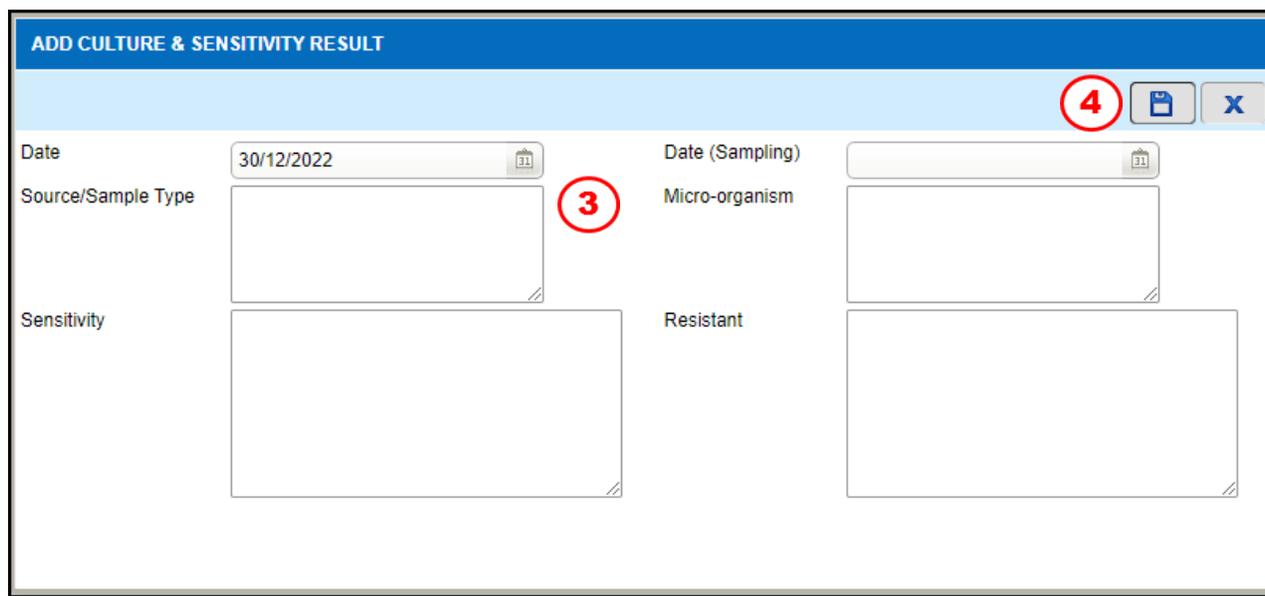


Figure 3.1.7-2 Culture & Sensitivity

### STEP 3

Fill in all the necessary information

- Date**
- Date (Sampling)**
- Source/Sample Type**
- Micro-organism**
- Sensitivity**
- Resistant**

#### Note

user is allow to edit **Date** with the condition of 5 days backdated

### STEP 4

Click on the  button to save the record and system will display information alert as Figure 3.1.7-3

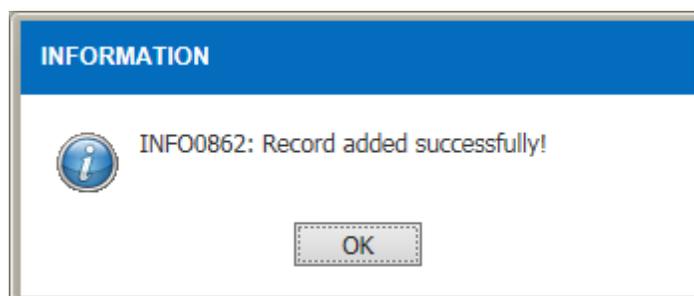


Figure 3.1.7-3 Information Alert

#### Note

- Click on the  button to successfully save the record
- After saved, the information will be display at the C&S main screen as Figure 3.1.7-4



The image shows a screenshot of the "CULTURE & SENSITIVITY RESULT(C & S)" screen. At the top, there is a blue header bar with the text "CULTURE & SENSITIVITY RESULT(C & S)". Below the header, there is a navigation bar with a refresh icon on the left and "Save C & S" and "Add C & S Result" buttons on the right. Below the navigation bar, there is a table with the following columns: Date, Date (Sampling), Source/Sample Type, Micro-organism, Sensitivity, and Resistant. The table contains one row of data.

Date	Date (Sampling)	Source/Sample Type	Micro-organism	Sensitivity	Resistant
26/08/2019	21/08/2019	Blood	N/A		

Figure 3.1.7-4 Culture & Sensitivity

### 3.1.8 Pharmaceutical Care Issue

To record Pharmaceutical Care Issue, perform the step below:

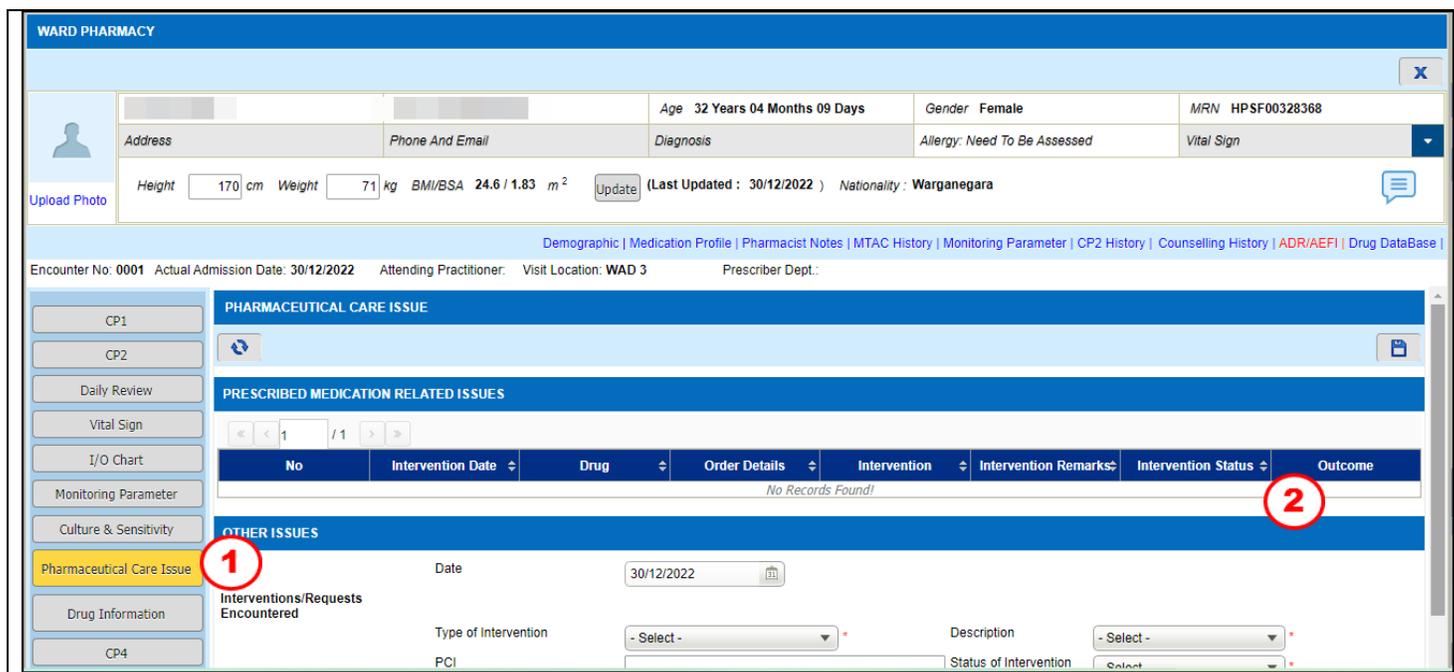
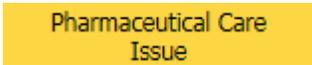


Figure 3.1.8-1 Pharmaceutical Care Issue

#### STEP 1

Click on the  tab on the left side

#### STEP 2

Enter the **Prescribed Medication Related Issues** if applicable by click on the **Outcome** hyperlink

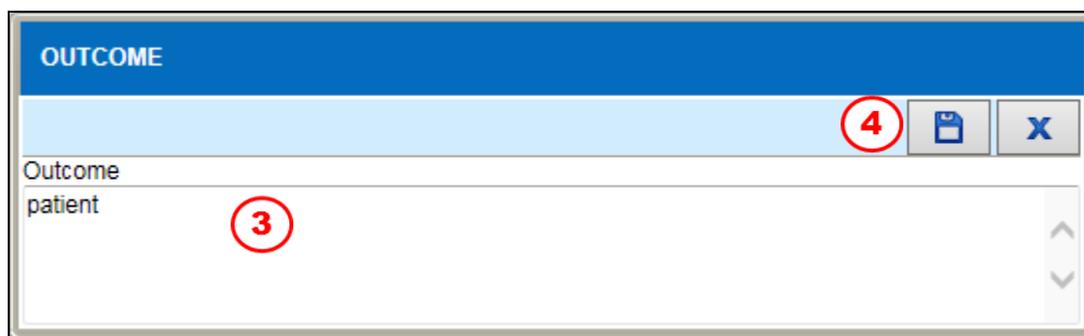


Figure 3.1.8-2 Outcome

#### STEP 3

Enter the information **outcome**

#### STEP 4

Click on the  button to save the record

#### Note

**Prescribed Medication Related Issues** is only available if pharmacists do the prescription intervention during dispensing

stage

**OTHER ISSUES**

<b>Date</b>	08/11/2022		
<b>Interventions/Requests Encountered</b>	<b>Type of Intervention</b>	<b>Description</b>	
	Inappropriate Prescription *	Contraindication *	
	<b>PCI</b>	<b>Status of Intervention</b>	
	DOCTOR ENDOSED CDR WITH CLCR 43ML/MIN	Accepted *	
	<b>Pharmacist Recommendation</b>	<b>Outcome</b>	
	SUGGEST DR TO HYDRATE PT OR TO D/W SPECIALIST IF PROCEED CHEMO	DR ACCEPTED AND ORDERED TO HYDR PATIENT	
	<b>Follow-up</b>		
	HYDRATED PATIENT AND PROCEED WITH CHEMO		

Delete
 Add/Update

**Figure 3.1.8-3 Other Issues**

**STEP 5**

Enter '*Other Issues*' if applicable

- a) **Date**
- b) **Type of Intervention**
  - *Inappropriate Prescription*
  - *Incomplete Prescriptions*
  - *Incorrect/Inappropriate/Inadequate Regimen*
  - *Miscellaneous*
- c) **PCI**
- d) **Pharmacist Recommendation**
- e) **Description**
  - *Contraindication*
  - *Drug Interaction*
  - *Incompatibility*
  - *Polypharmacy*
- f) **Status of Intervention**
  - *Accepted*
  - *Not Accepted*
  - *Not Available*
- g) **Outcome**
- h) **Follow-up**

**Note**

- This section is used for ward pharmacist to record other PCI issue that is not related to dispensing intervention.
- Follow up intervention will display in CP2 print out

**STEP 6**

Click on the button to add the record and it will display in Interventions section as Figure 3.1.8-4

INTERVENTIONS								
[ 1 - 1 / 1 ]								
Date	Type of Intervention	Description	PCI	Pharmacist Recommendation	Status of Intervention	Outcome	Follow-up	Check list
22/10/2019	Inappropriate Prescription	Contraindication	DR ENDORSED CDR WITH CLCR 43ML/MIN	SUGGEST DR TO HYDRATE PT OR TO D/W SPECIALIST IF TO PROCEED CHEMO	Accepted	DR ACCEPT & SPECIALIST INFORM TO HYDRATE PT		<input type="checkbox"/>

Figure 3.1.8-4 Interventions

**Note**

- To edit information in **'Interventions'** section, double click on the data then click on the  button. Change the information that display in the **'Other Issue'** section.
- To delete information in **'Interventions'** section, click on the information checkbox then click on the  button.

PHARMACEUTICAL CARE ISSUE								
[ 1 - 2 / 2 ]								
PRESCRIBED MEDICATION RELATED ISSUES								
[ 1 - 2 / 2 ]								
No	Intervention Date	Drug	Order Details	Intervention	Intervention Remarks	Intervention Status	Outcome	
1	25/02/2016 11:02 AM	Insulin regular/isophane (Insuman Comb) 100 IU/mL Penfill	1 IU, BD (twice daily), 6 Months	Others	CHANGE QTY TO 16	Accepted	Outcome	<input type="checkbox"/>
2	05/11/2015 11:41 AM	Insulin regular/isophane (Insuman Comb) 100 IU/mL Penfill	1 IU, BD (twice daily), 4 Months	Others	change order quantity to 10	Accepted	Outcome	<input type="checkbox"/>
OTHER ISSUES								
INTERVENTIONS								

Figure 3.1.8-5 Pharmaceutical Care Issue

**STEP 7**

Click on the  button to save the record and system will displayed confirmation alert as Figure 3.1.8-6

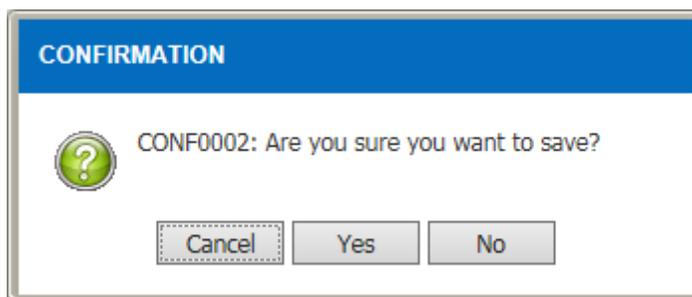
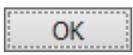
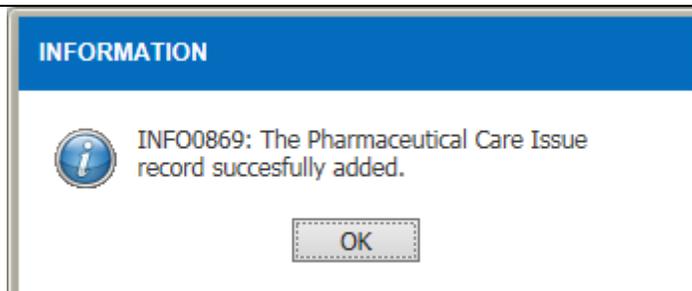


Figure 3.1.8-6 Confirmation Alert

**Note**

Click on the  button to save the record and system will display information alert as Figure 3.1.8-7



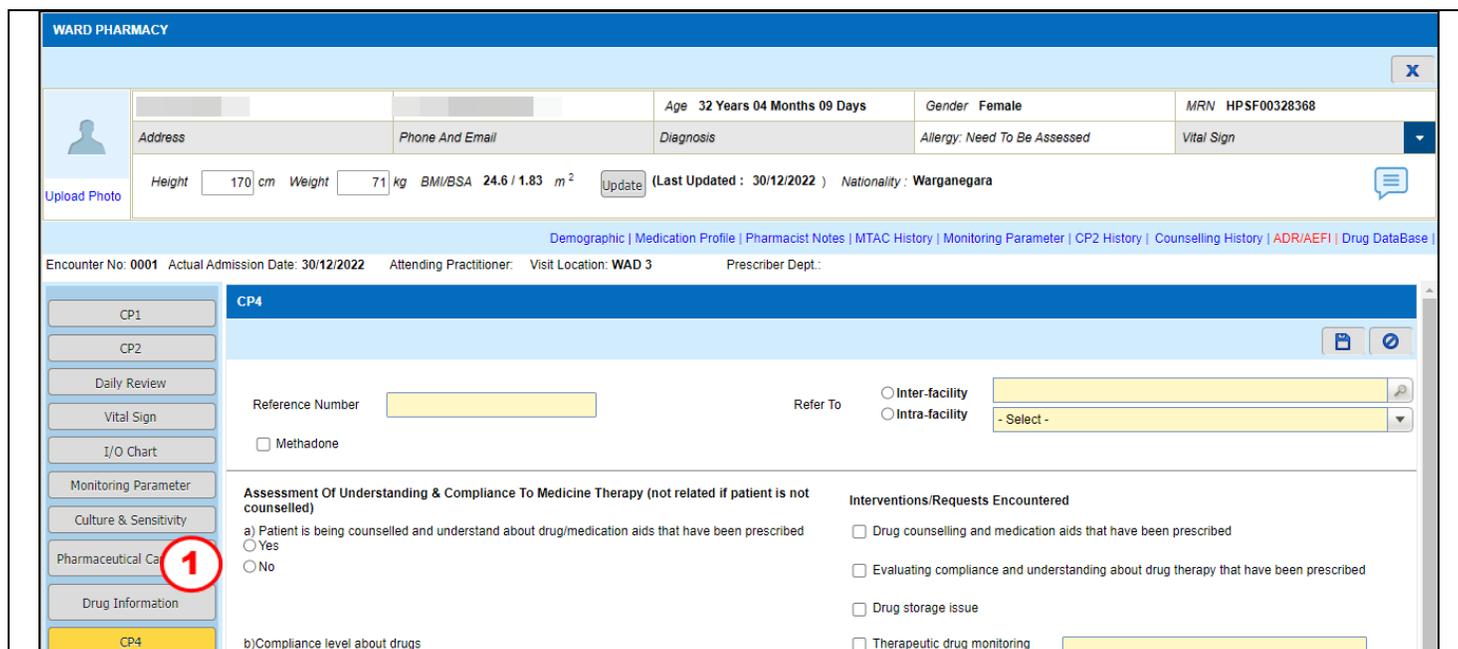
**Figure 3.1.8-7 Information Alert**

**Note**

Click on the  button to successfully save

### 3.1.9 CP4

To record CP4, perform the step below:



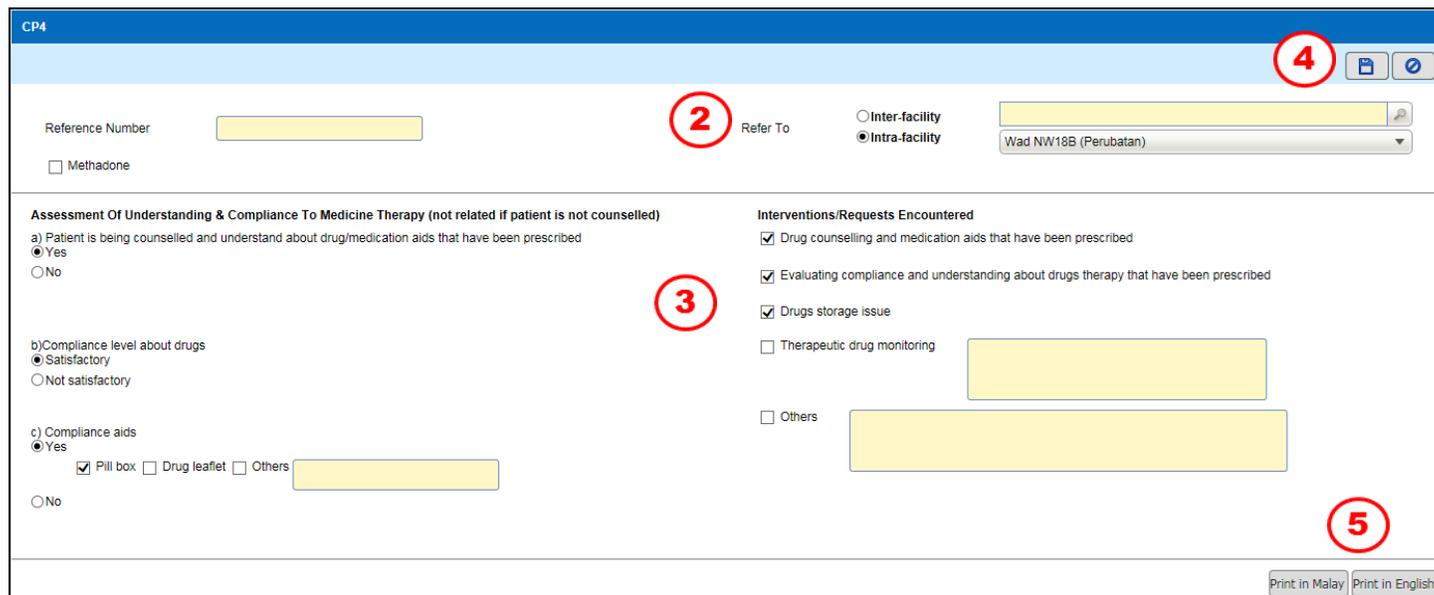
The screenshot displays the 'WARD PHARMACY' interface. At the top, there is a patient information summary including Age (32 Years 04 Months 09 Days), Gender (Female), and MRN (HPSF00328368). Below this, there are fields for Address, Phone And Email, Diagnosis, Allergy (Need To Be Assessed), and Vital Sign. A section for physical characteristics shows Height (170 cm), Weight (71 kg), and BMI/BSA (24.6 / 1.83 m<sup>2</sup>), with an 'Update' button and a note '(Last Updated : 30/12/2022)'. Nationality is listed as 'Warganegara'. A navigation bar includes links for Demographic, Medication Profile, Pharmacist Notes, MTAC History, Monitoring Parameter, CP2 History, Counselling History, ADR/AEFI, and Drug DataBase. Encounter details show Encounter No: 0001, Actual Admission Date: 30/12/2022, Attending Practitioner, Visit Location: WAD 3, and Prescriber Dept. The main content area is titled 'CP4' and contains a 'Reference Number' field, a 'Refer To' section with radio buttons for 'Inter-facility' and 'Intra-facility', and a dropdown menu. Below this is a section for 'Assessment Of Understanding & Compliance To Medicine Therapy (not related if patient is not counselled)' with two parts: 'a) Patient is being counselled and understand about drug/medication aids that have been prescribed' (Yes/No) and 'b) Compliance level about drugs'. To the right, 'Interventions/Requests Encountered' includes checkboxes for 'Drug counselling and medication aids that have been prescribed', 'Evaluating compliance and understanding about drug therapy that have been prescribed', 'Drug storage issue', and 'Therapeutic drug monitoring'. A left sidebar contains various tabs, with 'Pharmaceutical Care' highlighted in yellow and marked with a red circle containing the number '1'. Other tabs include CP1, CP2, Daily Review, Vital Sign, I/O Chart, Monitoring Parameter, Culture & Sensitivity, Drug Information, and CP4.

Figure 3.1.9-1 CP4

#### STEP 1

Click on the  tab on the left side

**To Record CP4**



The screenshot shows the CP4 form interface. Callout 2 points to the 'Refer To' radio buttons (Inter-facility and Intra-facility). Callout 3 points to the 'Assessment Of Understanding & Compliance To Medicine Therapy' section. Callout 4 points to the save button (floppy disk icon) in the top right. Callout 5 points to the 'Print in Malay' and 'Print in English' buttons at the bottom right.

**Figure 3.1.9-2 CP4**

**STEP 2**

Select **Refer To**

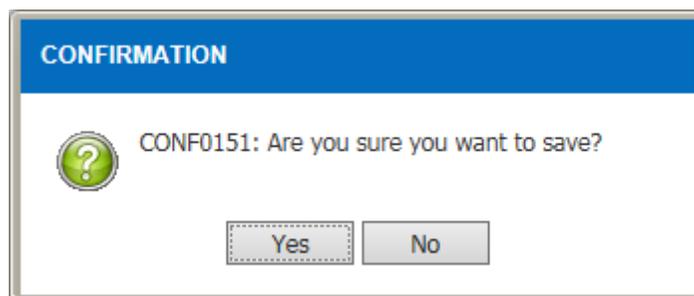
- a) **Inter-facility**
- b) **Intra-facility**

**STEP 3**

Fill up the question

**STEP 4**

Click on the  button to save the record



**Figure 3.1.9-3 Confirmation Alert**

**Note**

Click on the  button to save the record

**STEP 5**

Click on  the button to print in Malay and  button to print in English



**KEMENTERIAN KESIHATAN MALAYSIA**

HOSPITAL KUALA LUMPUR

**Pharmacy Department**

REFERRAL NOTE

CP4/413

TO:

Medical Officer / Pharmacist : Wad SW27 (Perubatan)

RE: PATIENT REFERRAL

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Name MRN IC No

This patient HAS / NOT-BEEN GIVEN MEDICATION COUNSELING for understanding of the treatment that have been prescribed. We expect that you can give the counselling & further evaluation that needed to increase the effectiveness of the treatment.

2. DIAGNOSIS :

None

3. LIST OF CURRENT DRUG :

Drug Name	Dose	Frequency	Start Date	End Date	Supply Period
-----------	------	-----------	------------	----------	---------------

4. UNDERSTANDING ASSESSMENT & COMPLIANCE TO DRUG

(not applicable if the patient has not been counseled):

- a) The patient has been counseled and understand the drug/medication aids prescribed  Yes  No
- b) Compliance level about Drugs  Satisfactory  Not-Satisfactory
- c) Compliance Aids  Pill Box  Drug Message  Others  No

5. INFORMATION / REQUESTS ENCOUNTERED :

[Please tick ( ✓ ) In the box provided]

<input type="checkbox"/>	Drug counselling and medication aids that have been prescribed
<input checked="" type="checkbox"/>	Evaluate compliance with and understanding of the prescribed drug therapy
<input type="checkbox"/>	Therapeutic drug monitoring:
<input type="checkbox"/>	Drug storage issues
<input type="checkbox"/>	Other:

Thank You,

\_\_\_\_\_

PF44

0326155555

30/10/2019

**Figure 3.1.9-5 Print In English**

### To Record CP4 Methadone



CP4

Reference Number

Refer To  Inter-facility  Intra-facility

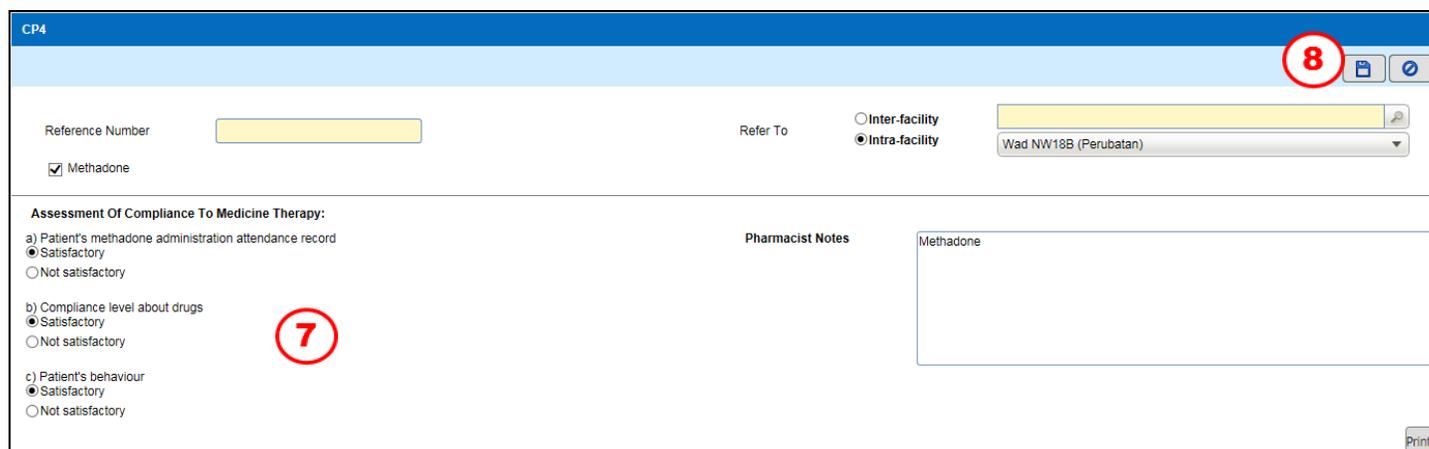
Methadone

Wad NW18B (Perubatan)

Figure 3.1.9-6 CP4 Methadone

#### STEP 6

Click on the **Methadone** checkbox



CP4

Reference Number

Refer To  Inter-facility  Intra-facility

Methadone

Wad NW18B (Perubatan)

Assessment Of Compliance To Medicine Therapy:

a) Patient's methadone administration attendance record  
 Satisfactory  
 Not satisfactory

b) Compliance level about drugs  
 Satisfactory  
 Not satisfactory

c) Patient's behaviour  
 Satisfactory  
 Not satisfactory

Pharmacist Notes

Methodone

Print

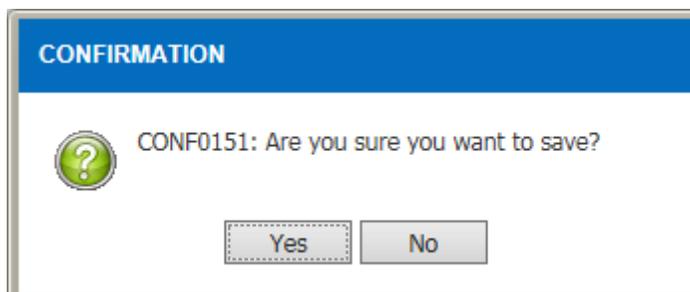
Figure 3.1.9-7 CP4 Methadone

#### STEP 7

Fill up the question

#### STEP 8

Click on the  button to save the record



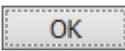
CONFIRMATION

CONF0151: Are you sure you want to save?

Yes No

Figure 3.1.9-8 Confirmation Alert

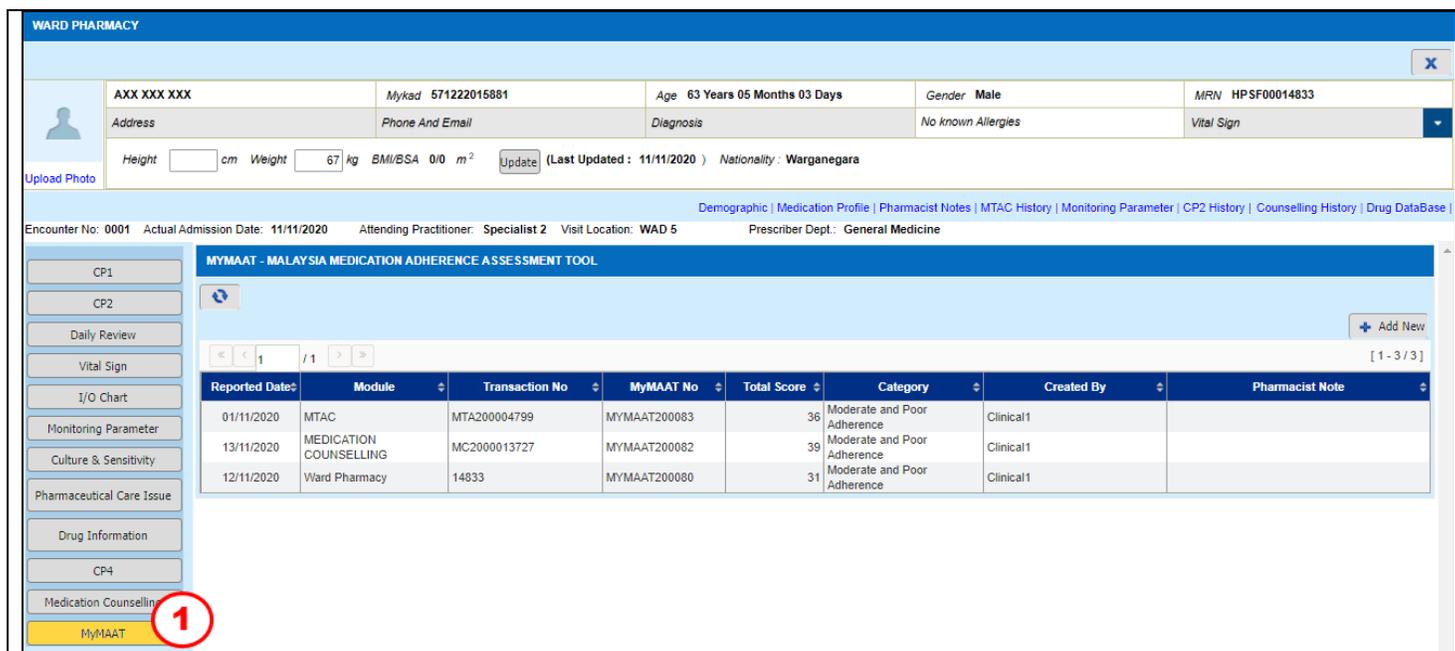
#### Note

- Click on the  button to save the record
- Click on  the button to view/print report



### 3.1.10 MyMAAT

To record MyMAAT, perform the step below:



**WARD PHARMACY**

AXX XXX XXX    Mykad 571222015881    Age 63 Years 05 Months 03 Days    Gender Male    MRN HPSF00014833

Address    Phone And Email    Diagnosis    No known Allergies    Vital Sign

Height [ ] cm    Weight [ 67 ] kg    BMI/BSA 0/0 m<sup>2</sup>    Update (Last Updated: 11/11/2020)    Nationality: Warganegara

Encounter No: 0001    Actual Admission Date: 11/11/2020    Attending Practitioner: Specialist 2    Visit Location: WAD 5    Prescriber Dept.: General Medicine

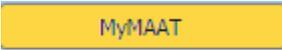
**MYMAAT - MALAYSIA MEDICATION ADHERENCE ASSESSMENT TOOL**

Reported Date	Module	Transaction No	MyMAAT No	Total Score	Category	Created By	Pharmacist Note
01/11/2020	MTAC	MTA200004799	MYMAAT200083	38	Moderate and Poor Adherence	Clinical1	
13/11/2020	MEDICATION COUNSELLING	MC2000013727	MYMAAT200082	39	Moderate and Poor Adherence	Clinical1	
12/11/2020	Ward Pharmacy	14833	MYMAAT200080	31	Moderate and Poor Adherence	Clinical1	

Navigation menu (left): CP1, CP2, Daily Review, Vital Sign, I/O Chart, Monitoring Parameter, Culture & Sensitivity, Pharmaceutical Care Issue, Drug Information, CP4, Medication Counselling, **MyMAAT** (1)

Figure 3.1.10-1 MyMAAT

#### STEP 1

Click on the  tab on the left side.

#### Note

- Transaction number for MTAC & Medication Counselling will display MTAC Order No & Medication Counselling Order No
- Transaction number for Ward pharmacy, will display Visit date & visit no
- MyMAAT number is a running number generated for each MyMAAT record created

**WARD PHARMACY**

AXX XXX XXX    Mykad 571222015881    Age 63 Years 05 Months 03 Days    Gender Male    MRN HPSF00014833

Address    Phone And Email    Diagnosis    No known Allergies    Vital Sign

Height  cm    Weight  67 kg    BMI/BSA 0/0 m<sup>2</sup>    Update (Last Updated : 11/11/2020 )    Nationality : Warganegara

Encounter No: 0001    Actual Admission Date: 11/11/2020    Attending Practitioner: Specialist 2    Visit Location: WAD 5    Prescriber Dept.: General Medicine

**MYMAAT - MALAYSIA MEDICATION ADHERENCE ASSESSMENT TOOL**

CP1  
CP2  
Daily Review  
Vital Sign  
I/O Chart  
Monitoring Parameter  
Culture & Sensitivity  
Pharmaceutical Care Issue  
Drug Information  
CP4  
Medication Counselling  
MyMAAT

Demographic | Medication Profile | Pharmacist Notes | MTAC History | Monitoring Parameter | CP2 History | Counselling History | Drug DataBase

1 / 1    Add New    [ 1 - 3 / 3 ]

Reported Date:	Module	Transaction No	MyMAAT No	Total Score	Category	Created By	Pharmacist Note
01/11/2020	MTAC	MTA200004799	MYMAAT200063	36	Moderate and Poor Adherence	Clinical1	
13/11/2020	MEDICATION COUNSELLING	MC2000013727	MYMAAT200082	39	Moderate and Poor Adherence	Clinical1	
12/11/2020	Ward Pharmacy	14833	MYMAAT200080	31	Moderate and Poor Adherence	Clinical1	

Figure 3.1.10-2 MyMAAT

**STEP 2**

Click on the add new button to record

**MYMAAT ASSESSMENT**

5    Malay English    4

Patient Name:     Module: WARD PHARMACY    Date: 25/05/2021

No	Item	Strongly Disagree (5)	Disagree (4)	Neutral (3)	Agree (2)	See
1	In the past one month, I frequently failed to take my medication in accordance with the doctor's instruction.	<input type="radio"/>				
2	In the past one month, I reduced my medication intake when I felt better.	<input type="radio"/>				
3	In the past one month, I took my medication alternately.	<input type="radio"/>				
4	I was often late on / missed the appointment date to get the supplies of my follow-up medication at the pharmacy counter.	<input type="radio"/>				
5	I have excess supply of the prescribed medication at home.	<input type="radio"/>				
6	I did not fully comply with the prescriptions because I felt it was unnecessary/insignificant.	<input type="radio"/>				
7	In the past one month, I frequently failed to remember to take my medication.	<input type="radio"/>				
8	I regularly take less medication than prescribed for fear of the side effects to my body.	<input type="radio"/>				
9	I will miss/not take my medication if no one reminds me to do so.	<input type="radio"/>				
10	I am uncertain about my daily medication doses.	<input type="radio"/>				
11	I am unable to manage my medication intake properly.	<input type="radio"/>				
12	Without support or help from the loved ones, I lack motivation to take my medication as prescribed by the doctor.	<input type="radio"/>				
TOTAL		0	0	0	0	0

Pharmacist Notes:

Total:  0  
(Minimum score = 12; Maximum score = 60)

Category:  Moderate and Poor Adherence

Figure 3.1.10-3 Confirmation Alert

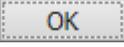
**STEP 3**

Key in all the details accordingly

**STEP 4**

Click on the button to save the record

**Note**

- Click on the  button to save the record
- Click on  the button to view in Malay and  button to view in English
- MyMAAT display the results in MTAC module and score will be displayed according to score range below;
  - Score  $\geq$  50, display category as “Good Adherence”
  - Score  $<$  50, display category as “Moderate and Poor Adherence”

**STEP 5**

Click on print button to print in the report

 KEMENTERIAN KESIHATAN MALAYSIA Hospital Pakar Sultanah Fatimah MALAYSIA MEDICATION ADHERENCE ASSESSMENT TOOL (MyMAAT)						
Patient's Name	AXX XXX XXX	MRN	HPSF0014833			
		Date	25/05/2021			
IC No/Other Identification	071222015861	Location	WARD 5			
Part I: Perception on Patient's Adherence Towards Medication						
No	Item	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
		5	4	3	2	1
1	In the past one month, I frequently failed to take my medication in accordance with the doctor's instruction.		✓			
2	In the past one month, I reduced my medication intake when I felt better.	✓				
3	In the past one month, I took my medication alternately.			✓		
4	I was often late on I missed the appointment date to get the supplies of my follow-up medication at the pharmacy counter.			✓		
5	I have excess supply of the prescribed medication at home.			✓		
6	I did not fully comply with the prescriptions because I felt it was unnecessary/insignificant.				✓	
7	In the past one month, I frequently failed to remember to take my medication.				✓	
8	I regularly take less medication than prescribed for fear of the side effects to my body.				✓	
9	I will miss/not take my medication if no one reminds me to do so.					✓
10	I am uncertain about my daily medication doses.					✓
11	I am unable to manage my medication intake properly.			✓		
12	Without support or help from the loved ones, I lack motivation to take my medication as prescribed by the doctor.		✓			
Total		5	8	12	6	2
(Minimum score = 12; Maximum score = 60)		33				

Malaysia Medication Adherence Assessment Tool (MyMAAT)\_2020RUKM & UKRM

Page 1 of 2

**Figure 3.1.10-4 Print Report**



**KEMENTERIAN KESIHATAN MALAYSIA**  
**Hospital Pakar Sultanah Fatimah**  
**MALAYSIA MEDICATION ADHERENCE ASSESSMENT TOOL (MyMAAT)**

---

**Part II : Category of Patient's Adherence Towards Medication**

Patient's adherence category based on total score as stated below:

Category	Total Score
Good adherence	≥ 54
Moderate and poor adherence	< 54

---

**Part III : Summary on Patient's Adherence Towards Medication**

Total Score	33
Adherence Category	Moderate and Poor Adherence
Pharmacist's Note	

Pharmacist : Kamalish Md Seman

Date : 25/05/2021  
Module : WARD PHARMACY

Malaysia Medication Adherence Assessment Tool (MyMAAT)\_2020RKM & UKM

Page 2 of 2

Figure 3.1.10-5 Print reports

## 4.0 Acronyms

Abbreviation	Definition
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
PM	Patient Management
eGL	Electronic Guarantee Letter
HRMIS	Human Resource Management System
MRN	Medical Record Number
MOH	Ministry of Health

## 5.0 Links to Clinical Modules

No	Module	PDF Links	No	Module	PDF Links
1	<i>Inpatient</i>	<a href="#">Click Here</a>	12	<i>CDR Dispensing</i>	<a href="#">Click Here</a>
2	<i>CDR Order</i>	<a href="#">Click Here</a>	13	<i>Methadone Dispensing</i>	<a href="#">Click Here</a>
3	<i>TDM Order</i>	<a href="#">Click Here</a>	14	<i>PN Dispensing</i>	<a href="#">Click Here</a>
4	<i>PN Order</i>	<a href="#">Click Here</a>	15	<i>Order Management</i>	<a href="#">Click Here</a>
5	<i>IV Order</i>	<a href="#">Click Here</a>	16	<i>Patient Management</i>	<a href="#">Click Here</a>
6	<i>Prepacking</i>	<a href="#">Click Here</a>	17	<i>Radiopharmaceuticals</i>	<a href="#">Click Here</a>
7	<i>Galenical</i>	<a href="#">Click Here</a>	18	<i>Outpatient</i>	<a href="#">Click Here</a>
8	<i>MTAC</i>	<a href="#">Click Here</a>	19	<i>Special Drug Request</i>	<a href="#">Click Here</a>
9	<i>ADR &amp; DAC</i>	<a href="#">Click Here</a>	20	<i>MAR</i>	<a href="#">Click Here</a>
10	<i>Medication Counselling</i>	<a href="#">Click Here</a>	21	<i>DICE</i>	<a href="#">Click Here</a>
11	<i>Ward Pharmacy</i>	<a href="#">Click Here</a>	22		