



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

Full Based User Manual Ward Pharmacy

Version	: 6th Edition
Document ID	: FB_U. MANUAL_WARD PHARMACY



PhIS & CPS Project
User Manual – Ward Pharmacy



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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
- Ward Pharmacy CP1
- Ward Pharmacy CP4
- Pharmaceutical Care Issue
- Lab Parameter

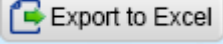
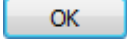
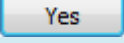
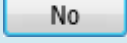
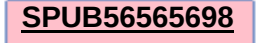
1.3 Organised Sections

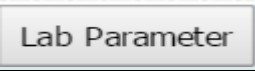
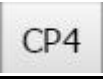
These are the sections within this document:

- 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		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		

Ward Pharmacy (CP2) Module Legend			
	Electronic Government Guarantee Letter (eGL) Verification		Medication History
	Discharge Referral Note		Renew Visit
	To record daily review patient		Add/update Record

Note

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

2.2 Latest Enhancement and Updates

Latest Functions	Page
No more compliance score (Morisky scale) and change to Adherence score	9 & 10
CP2 HPI - To set maximum 500 characters	9 & 10
CP1 a) PMHx - To set maximum 500 characters b) Reason For Admission - To set maximum 500 characters c) Comments - To set maximum 500 characters d) Pharmacist Note - To set maximum 500 characters (Pharmacist Note has been remove in CP1 screen following the request of removing MMAS score. User can use Pharmacist note in CP2 screen)	14

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

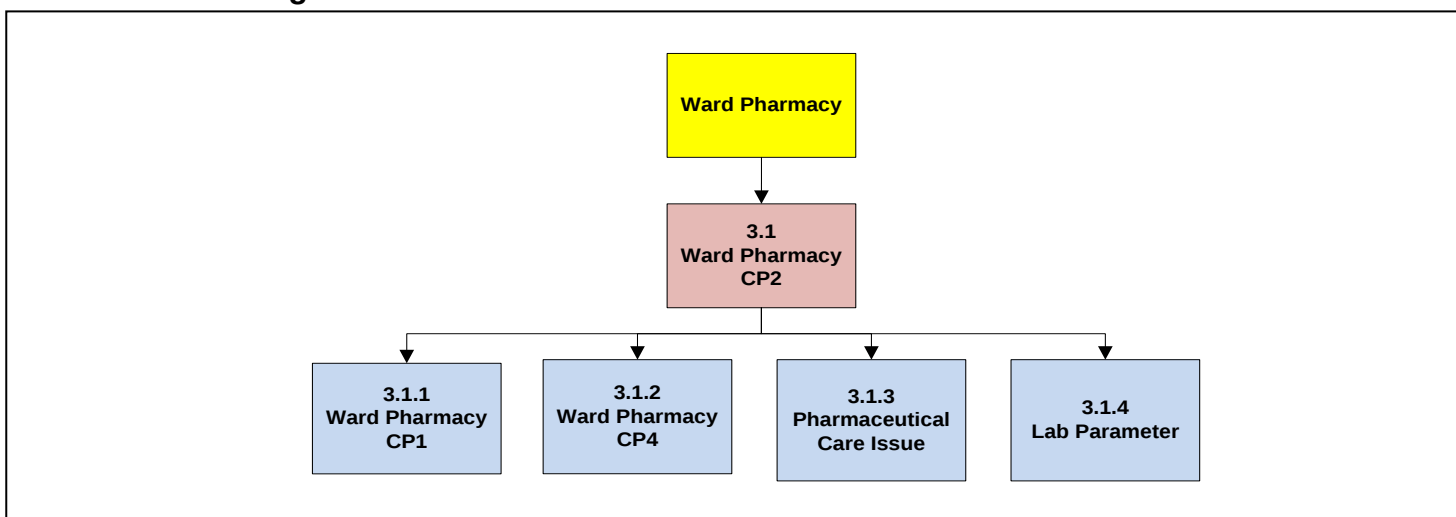


Figure 3.1

Functional Description

Ward Pharmacy comprises of four (4) main functions:

- **Ward Pharmacy CP2**

The functions of this menu are as the pharmacotherapy review form to record all findings, suggestions and intervention performed pertaining to PCI's during case clerking / reviewing.

- **Ward Pharmacy CP1**

This function of this menu is to record complete medication history within 24 hours of admission.

- **Ward Pharmacy CP4**

This function of this menu is to record a discharge referral note who require continuity of care in other healthcare setting.

- **Pharmaceutical Care Issue**

The function of this menu is to record any intervention made by pharmacist during pharmacist ward round.

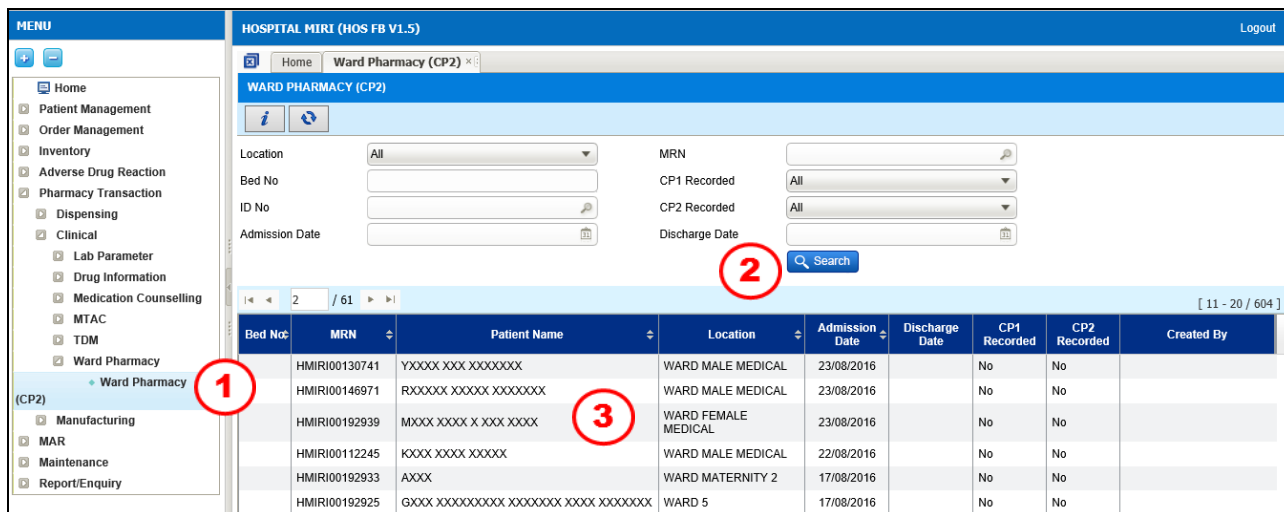
- **Lab Parameter**

The function of this menu is to record lab result into the system.

3.1 Ward Pharmacy CP2

3.1.1 Ward Pharmacy CP2

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



Bed No	MRN	Patient Name	Location	Admission Date	Discharge Date	CP1 Recorded	CP2 Recorded	Created By
HMIRI00130741	YXXXX XXX XXXXXXX		WARD MALE MEDICAL	23/08/2016		No	No	
HMIRI00146971	RXXXX XXXXX XXXXXXX		WARD MALE MEDICAL	23/08/2016		No	No	
HMIRI00192939	MXXX XXXX X XXX XXXX		WARD FEMALE MEDICAL	23/08/2016		No	No	
HMIRI00112245	KXXX XXXX XXXXX		WARD MALE MEDICAL	22/08/2016		No	No	
HMIRI00192933	AXXX		WARD MATERNITY 2	17/08/2016		No	No	
HMIRI00192925	GXXX XXXXXXXXXX XXXXXXX XXXX XXXXXXX		WARD 5	17/08/2016		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.

This function is used to register new patients

STEP 1

Click on Pharmacy Transaction menu then click on Ward Pharmacy CP2 sub menu.

STEP 2

Select any of search criteria to search the patient record then click on  button

- **Location**
- **MRN**
- **Bed No**
- **CP1 Recorded**
- **ID No**
- **CP2 Recorded**
- **Admission Date**
- **Discharged Date**

Note

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

STEP 3

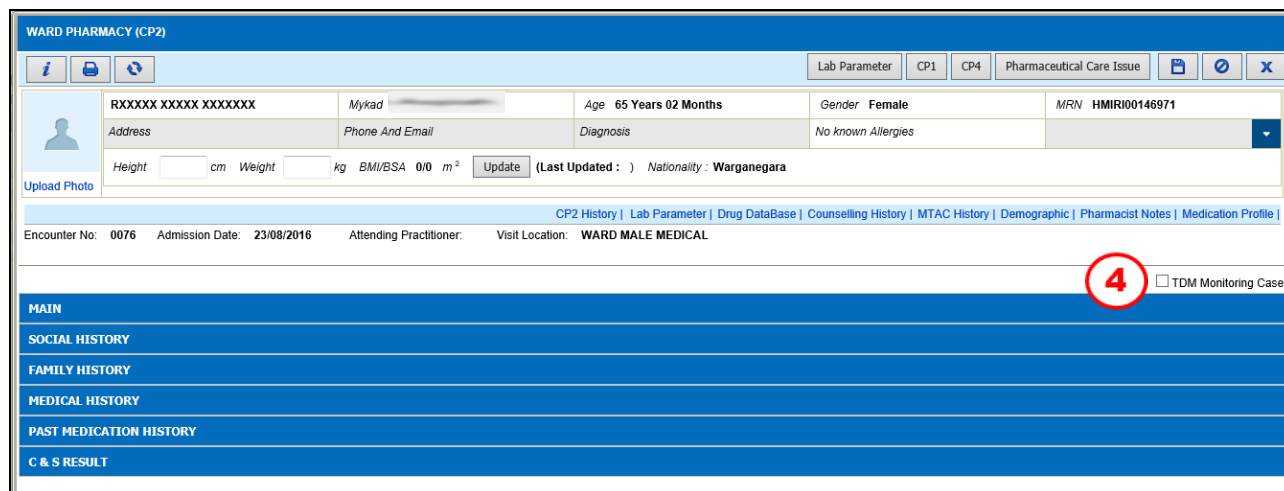
Double click on patient name and user will enter the ward pharmacy CP2 function

Note

Search Ward Pharmacy record based :-

Search			
No	Field	Description	Remark
a	Location	Location	Allow to search by assigned location
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	ID No	ID No	Allow to search by patient full or partial ID No
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 - 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'
g	Admission Date	Date Enter Ward	Allow to search by date enter to ward
h	Discharged Date	Date Dismissed from Ward	Allow to search by date dismissed from ward

Table 3.1.1-1



The screenshot shows the 'WARD PHARMACY (CP2)' interface. At the top, there are tabs for 'Lab Parameter', 'CP1', 'CP4', and 'Pharmaceutical Care Issue'. Below these, patient information is displayed: 'RXXXXX XXXXX XXXXXXXX', 'Mykad', 'Age 65 Years 02 Months', 'Gender Female', and 'MRN HMIRI00146971'. There are also fields for 'Address', 'Phone And Email', 'Diagnosis', and 'No known Allergies'. A sidebar on the left contains a list of menu items: 'MAIN', 'SOCIAL HISTORY', 'FAMILY HISTORY', 'MEDICAL HISTORY', 'PAST MEDICATION HISTORY', and 'C & S RESULT'. A red circle with the number '4' is placed over the 'TDM Monitoring Case' checkbox in the top right corner of the main content area.

Figure 3.1.1-2 Ward Pharmacy CP2

STEP 4

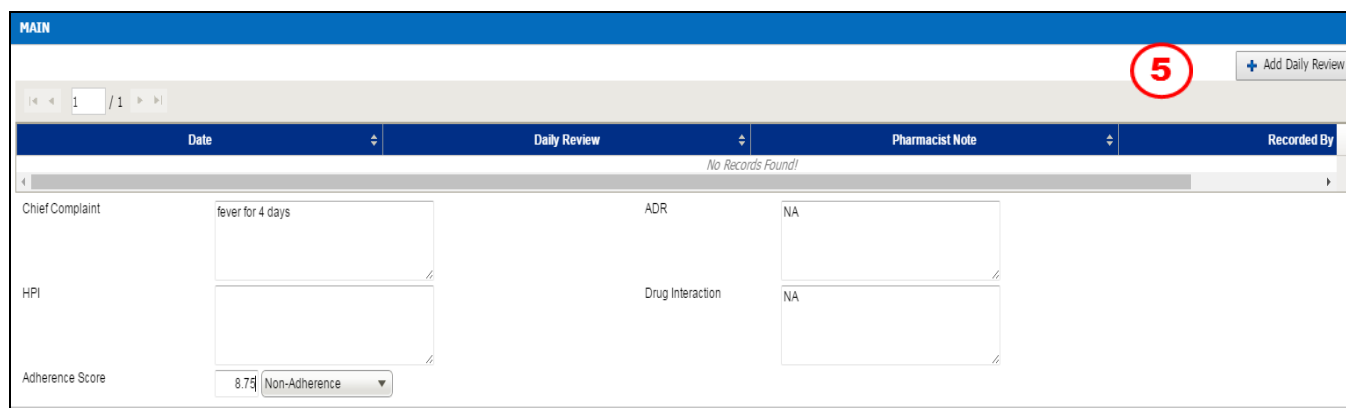
Select on **TDM Monitoring Case** checkbox if applicable

Note

- Ward Pharmacy CP2 consist of selection
 - a) Main
 - b) Social History
 - c) Family History
 - d) Medical History
 - e) Past Medication History
 - f) C & S Result
- Once click on the selected patient name, the summary of patient information will be displayed in the patient banner. The patient banner will be displayed at the specific screen which is required patient information. Patient banner will be consisting of below patient information:

Description	Remarks
Patient banner	a. Patient Name b. Patient Address c. Patient IC Number d. Patient Phone and Email e. Patient Diagnosis f. Patient Age g. Patient Allergy h. Patient Gender i. Patient MRN
Patient clinical information -Hyperlink	a. CP2 History - History of CP2 recorded on patient b. Lab Parameter - Patient's lab result c. Drug Database - Hyperlink to MIMS website d. Counselling History - Medication Counselling records e. MTAC History - History of patient's MTAC session f. Demographic - Patient's demographic g. Pharmacist Notes - Notes for MTAC, Ward Pharmacy and TDM h. Medication Profile - Patient's current and previous medication history
Current visit Information	a. Encounter No b. Admission Date c. Attending practitioner d. Visit location e. Room No / Bed No

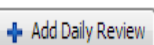
Table 3.1.1-2

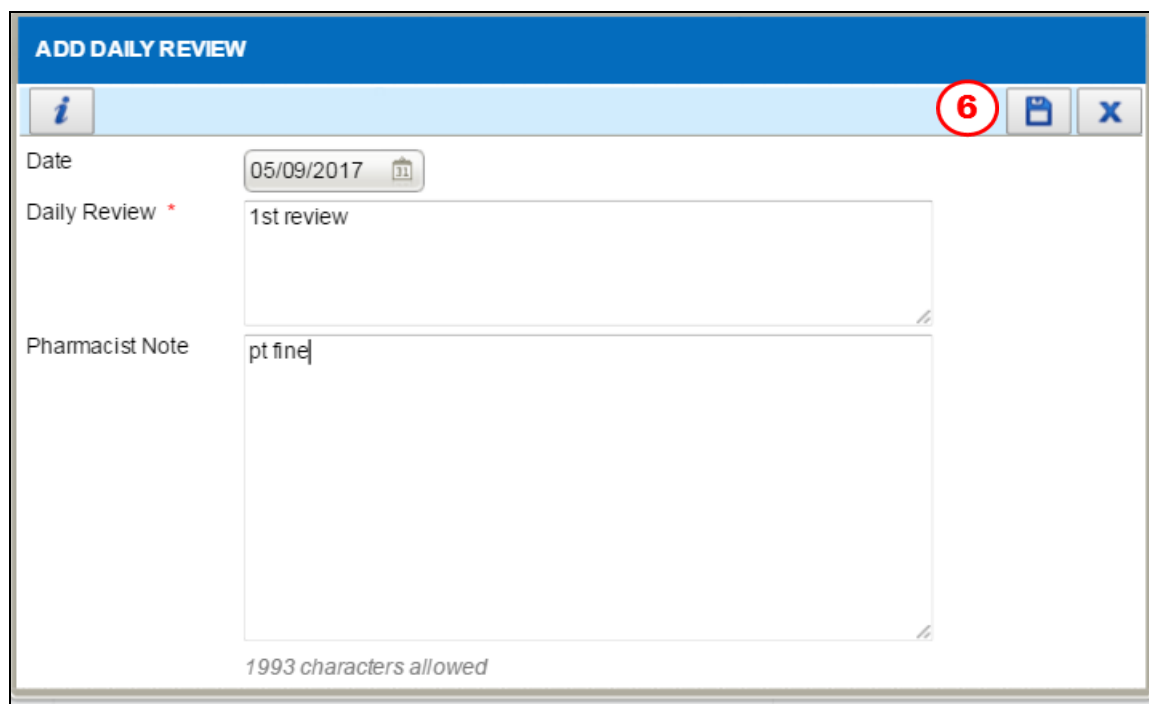


Date	Daily Review	Pharmacist Note	Recorded By
No Records Found!			
Chief Complaint	fever for 4 days	ADR	NA
HPI		Drug Interaction	NA
Adherence Score	8.75 Non-Adherence		

Figure 3.1.1-3 Ward Pharmacy CP2

STEP 5

Click on  then enter the information as display on Figure 3.1.1-3



ADD DAILY REVIEW

Date: 05/09/2017

Daily Review *: 1st review

Pharmacist Note: pt fine

1993 characters allowed

Figure 3.1.1-4 Add Daily Review

STEP 6

Click on the  button to save the record

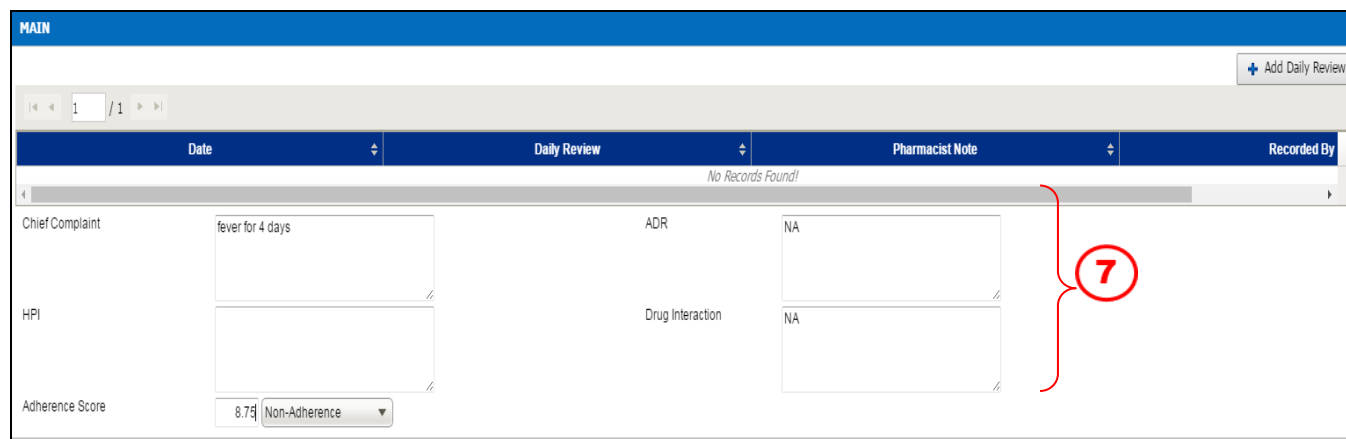


Figure 3.1.1-5 Main Section

STEP 7

Enter the necessary information in Main section. As shown in Figure 3.1.1-5:

- Chief Complaint
- HPI
- Adherence Score
- ADR
- Drug Interaction

Note

Compliance Assessment Score data is retrieve from Morisky Scale in CP1 function.

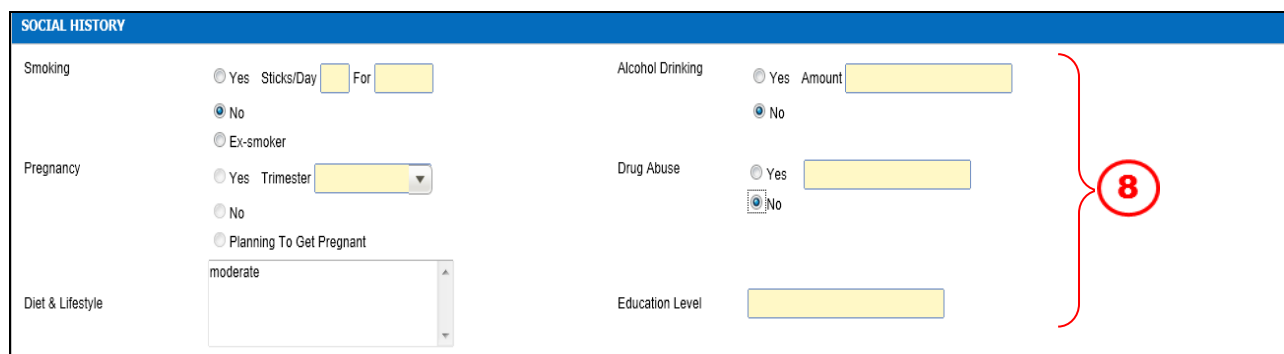


Figure 3.1.1-6 Social History

STEP 8

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

- Smoking
- Pregnancy
- Diet & Lifestyle
- Alcohol Drinking
- Drug Abuse

Note

- Pregnancy** field is disable if the patient gender is male.
- Education** is retrieved from **Patient Registration** function.

FAMILY HISTORY	
Marital Status	
No. Of Children	
Lives With	Alone
Family History Of Illness	diabetic

Figure 3.1.1-7 Family History

STEP 9

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

- Martial Status**
- No Of Children**
- Lives With**
- Family History Of Illness**

Note

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

MEDICAL HISTORY	
Co-morbidity	Diabetes / Hypertension
Diagnostic Test	
X-Ray	N/A
BMD	N/A
Echo	N/A
CT Scan	N/A
MRI	N/A
Surgical History	Yes
Doppler Test	N/A
Mantoux Test	N/A
Bone Marker	N/A
OGDS	N/A
Others	

Figure 3.1.1-8 Medical History

STEP 10

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

- Co-morbidity**
- Surgical History**
- X-Ray**
- BMD**
- Echo**
- CT Scan**
- MRI**
- Doppler test**
- Mantoux Test**
- Bone Marker**
- OGDS**
- Others**

PAST MEDICATION HISTORY			
Prescription Medication			
1 / 1			
Drug	Dosage	Frequency	Remarks
Paracetamol 500 mg Tablet	250	TDS	
Non Prescription Medication			
1 / 1			
Non-Prescription Medication(Includes Herbal/Vitamin/Other Supplements)	Balance/Comments	Source Of Medication	Reason For Taking
Shaklee	Supplement	Guardian	

Figure 3.1.1-9 Past Medication History

Note

Past Medication History consist of:

- Prescription Medication.
- Non Prescription Medication.
- However, this field cannot be filling and need to be fill in  form function.

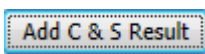
C & S RESULT					
11 Add C & S Result					
1 / 1					
Date	Date (Sampling)	Source/Sample Type	Micro-organism	Sensitivity	Resistant
05/09/2017	03/09/2017	blood	NA		

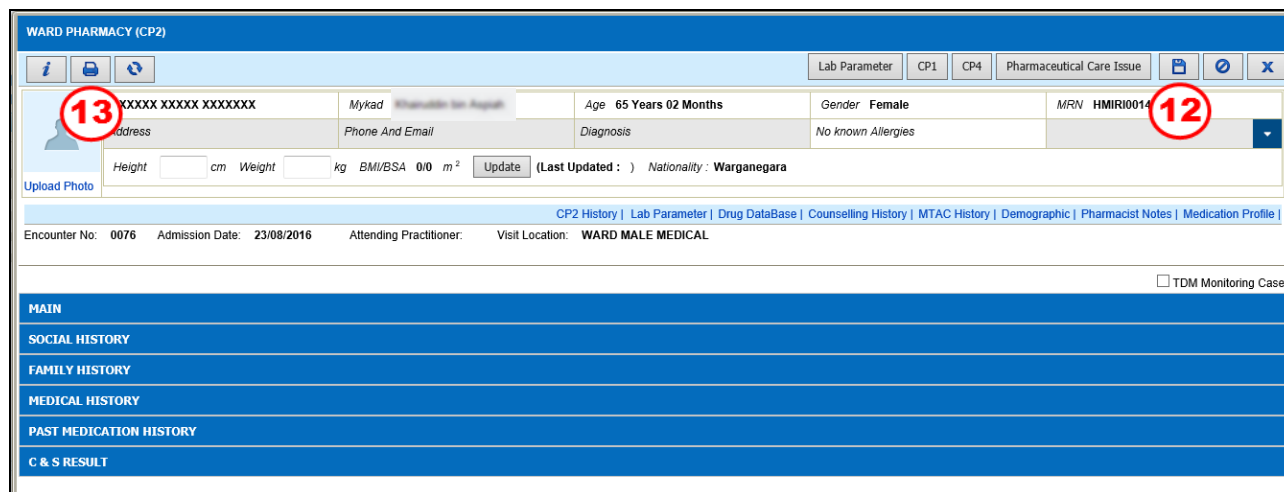
Figure 3.1.1-10 Add C & S Result

C & S RESULT			
  			
Date	05/09/2017	Date (Sampling)	03/09/2017
Source/Sample Type	blood	Micro-organism	NA
Sensitivity		Resistant	

Figure 3.1.1-11 New C & S Result

STEP 11

Click on the  button. Fill in the information as shown in Figure 3.1.1-11. Click on the  button to save the record.



WARD PHARMACY (CP2)

Lab Parameter CP1 CP4 Pharmaceutical Care Issue

13 XXXXX XXXXX XXXXXXX Mykad Khairuddin bin Asyraf Age 65 Years 02 Months Gender Female MRN HMIRI0014 12

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

Upload Photo

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

Encounter No: 0076 Admission Date: 23/08/2016 Attending Practitioner: Visit Location: WARD MALE MEDICAL

☐ TDM Monitoring Case

MAIN

SOCIAL HISTORY

FAMILY HISTORY

MEDICAL HISTORY

PAST MEDICATION HISTORY

C & S RESULT

Figure 3.1.1-12 Save and Print CP2

STEP 12

Click on the  button to save CP2 form

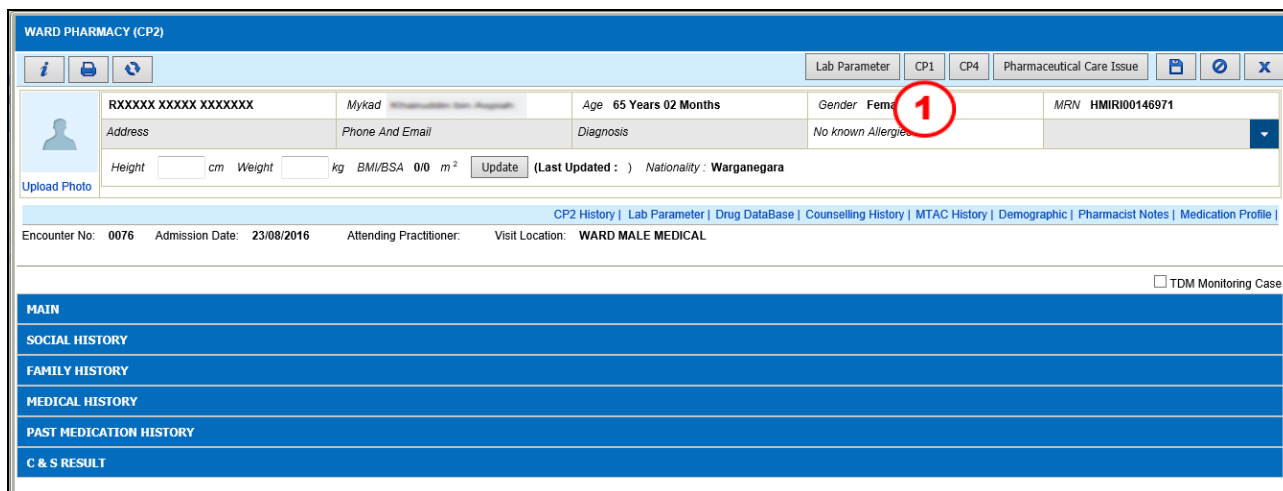
STEP 13

Click on the  button to print CP2 form as shown at Figure 3.1.1-12

3.2 Ward Pharmacy CP1

3.2.1 Ward Pharmacy CP1 Reporting

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



WARD PHARMACY (CP2)

Lab Parameter CP1 CP4 Pharmaceutical Care Issue

Mykad: XXXXXX XXXXX XXXXXXXX Age: 65 Years 02 Months Gender: Female MRN: HMIRI00146971

Address: Phone And Email: Diagnosis: No known Allergies

Height: cm Weight: kg BMI/BSA: 0/0 m² Update (Last Updated:) Nationality: Warganegara

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

Encounter No: 0076 Admission Date: 23/08/2016 Attending Practitioner: Visit Location: WARD MALE MEDICAL

☐ TDM Monitoring Case

MAIN

SOCIAL HISTORY

FAMILY HISTORY

MEDICAL HISTORY

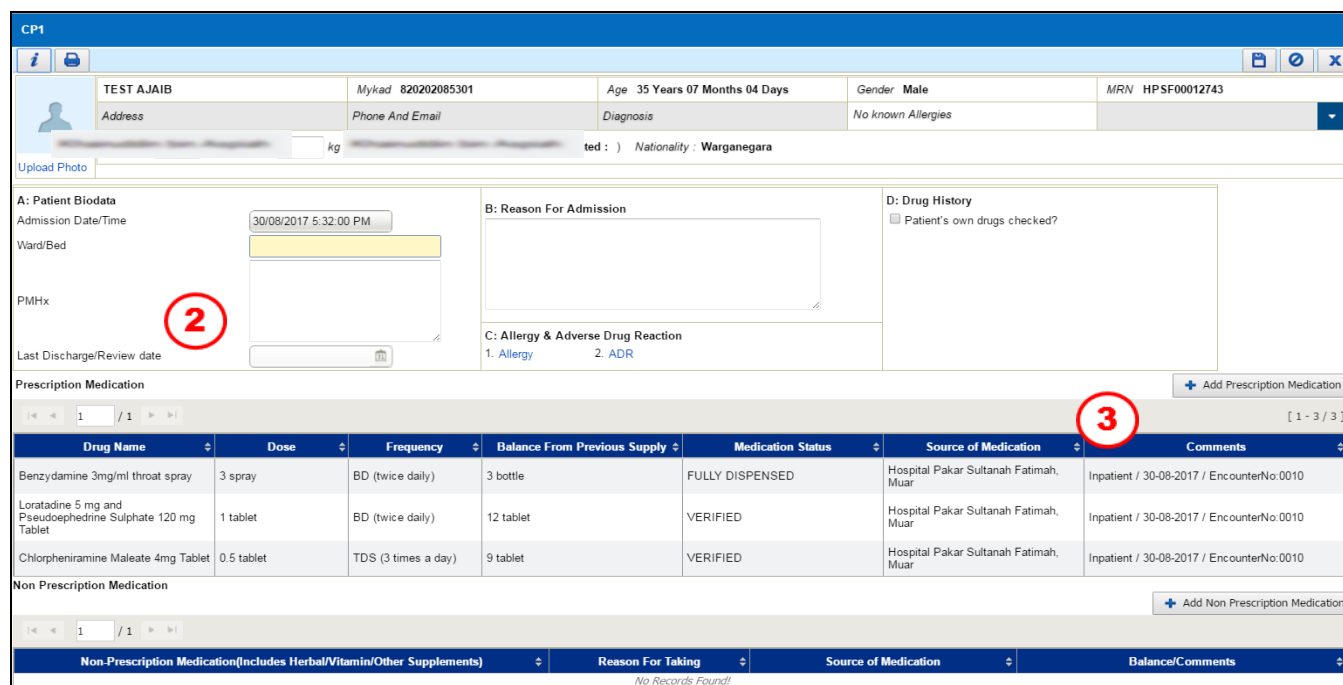
PAST MEDICATION HISTORY

C & S RESULT

Figure 3.2.1-1 CP1 Button

STEP 1

Click on the **CP1** button in CP1 screen to enter CP1 screen



CP1

TEST AJAIB Mykad: 820202085301 Age: 35 Years 07 Months 04 Days Gender: Male MRN: HPSF00012743

Address: Phone And Email: Diagnosis: No known Allergies

kg ted:) Nationality: Warganegara

Upload Photo

A: Patient Biodata

Admission Date/Time: 30/08/2017 5:32:00 PM

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 Prescription Medication

Drug Name	Dose	Frequency	Balance From Previous Supply	Medication Status	Source of Medication	Comments
Benzylamine 3mg/ml throat spray	3 spray	BD (twice daily)	3 bottle	FULLY DISPENSED	Hospital Pakar Sultanah Fatimah, Muar	Inpatient / 30-08-2017 / EncounterNo: 0010
Loratadine 5 mg and Pseudoephedrine Sulphate 120 mg Tablet	1 tablet	BD (twice daily)	12 tablet	VERIFIED	Hospital Pakar Sultanah Fatimah, Muar	Inpatient / 30-08-2017 / EncounterNo: 0010
Chlorpheniramine Maleate 4mg Tablet	0.5 tablet	TDS (3 times a day)	9 tablet	VERIFIED	Hospital Pakar Sultanah Fatimah, Muar	Inpatient / 30-08-2017 / EncounterNo: 0010

Non Prescription Medication

+ Add Non Prescription Medication

Non-Prescription Medication(includes Herbal/Vitamin/Other Supplements)	Reason For Taking	Source of Medication	Balance/Comments
No Records Found!			

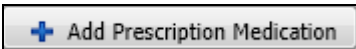
Figure 3.2.1-2 CP1

STEP 2

Enter the necessary information in the form. The fields are:

- Reason for admission
- Last Discharge/ Review Date
- Patient own drug checked

STEP 3

Click on the  button to enter the information as Figure 3.2.1-3.

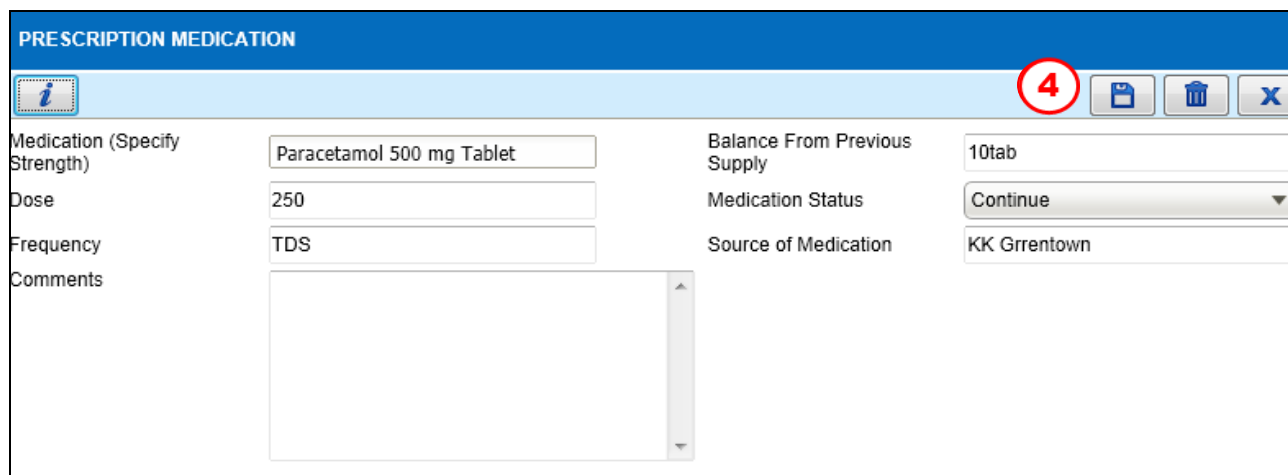


Figure 3.2.1-3 Prescription Medication

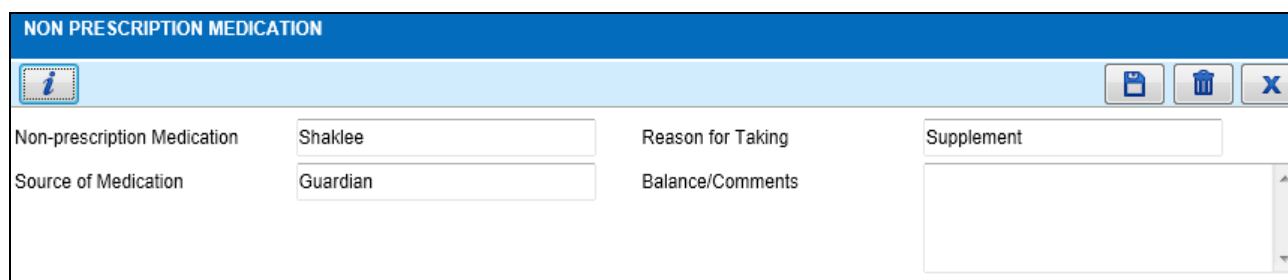


Figure 3.2.1-4 Non Prescription Medication

Note

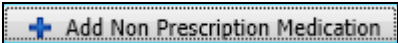
Past Medication History consist of:

- Prescription Medication.
 - It has certain condition whereby the drug display at prescription medication come from the latest visit patient at that facility
 - User can add prescriptions medication from other facility too
- Non Prescription Medication.
 - User can add any none prescription medication that has been taken by patient in system

STEP 4

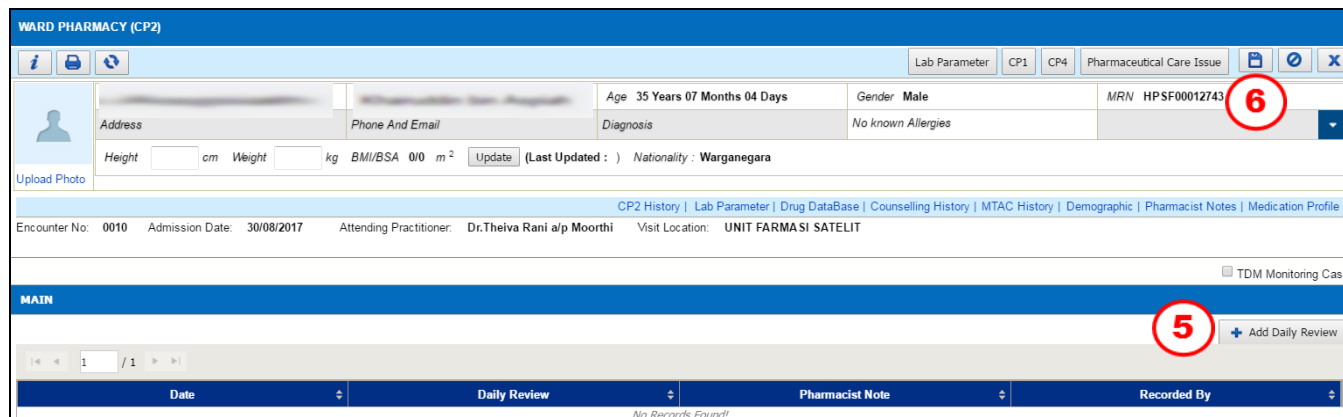
Click on the  button to save the record

Note

- Repeat step 3 and step 4 
- To edit the data in Prescription Medication and Non Prescription Medication dialog box, user need to double click on the data then insert new data by overwrite the old data
- After click the save button, it will be display at **CP2 screen**.

STEP 5

Enter the note in **Pharmacist Note** field at **Add Daily Review**



The screenshot shows the 'WARD PHARMACY (CP2)' interface. At the top, there are tabs for 'Lab Parameter', 'CP1', 'CP4', and 'Pharmaceutical Care Issue'. Below these, a patient's information is displayed, including Age (35 Years 07 Months 04 Days), Gender (Male), and MRN (HPSF00012743). A red circle with the number '6' highlights the MRN field. Below the patient information, there is a section for 'MAIN' with a red circle and the number '5' highlighting the '+ Add Daily Review' button. The interface also shows a table with columns for Date, Daily Review, Pharmacist Note, and Recorded By. The bottom of the interface displays 'No Records Found!'.

Figure 3.2.1-6 Pharmacist Note

STEP 6

Click on the  button to save CP1 record form as figure 3.2.1-6

Note

- Click  to print the CP1 report as figure 3.2.1-6

3.3 Ward Pharmacy CP4

3.3.1 Ward Pharmacy CP4 Reporting

The function of this menu is to record a discharge referral note for patient who require continuity of care in other healthcare setting.

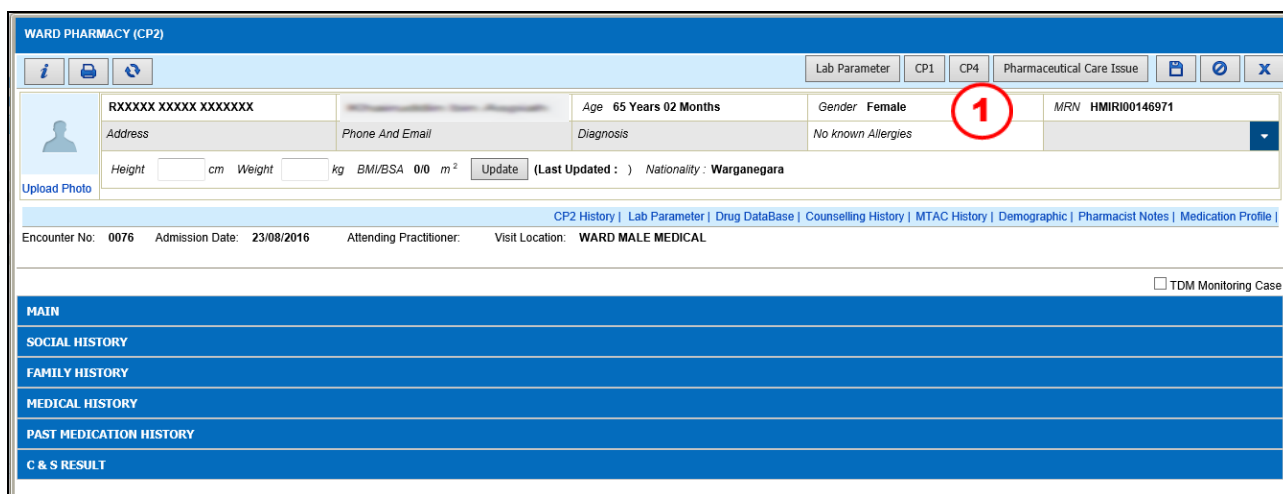


Figure 3.3.1-1 Ward Pharmacy CP4

STEP 1

Click on the **CP4** button in CP2 screen to enter the CP4 screen

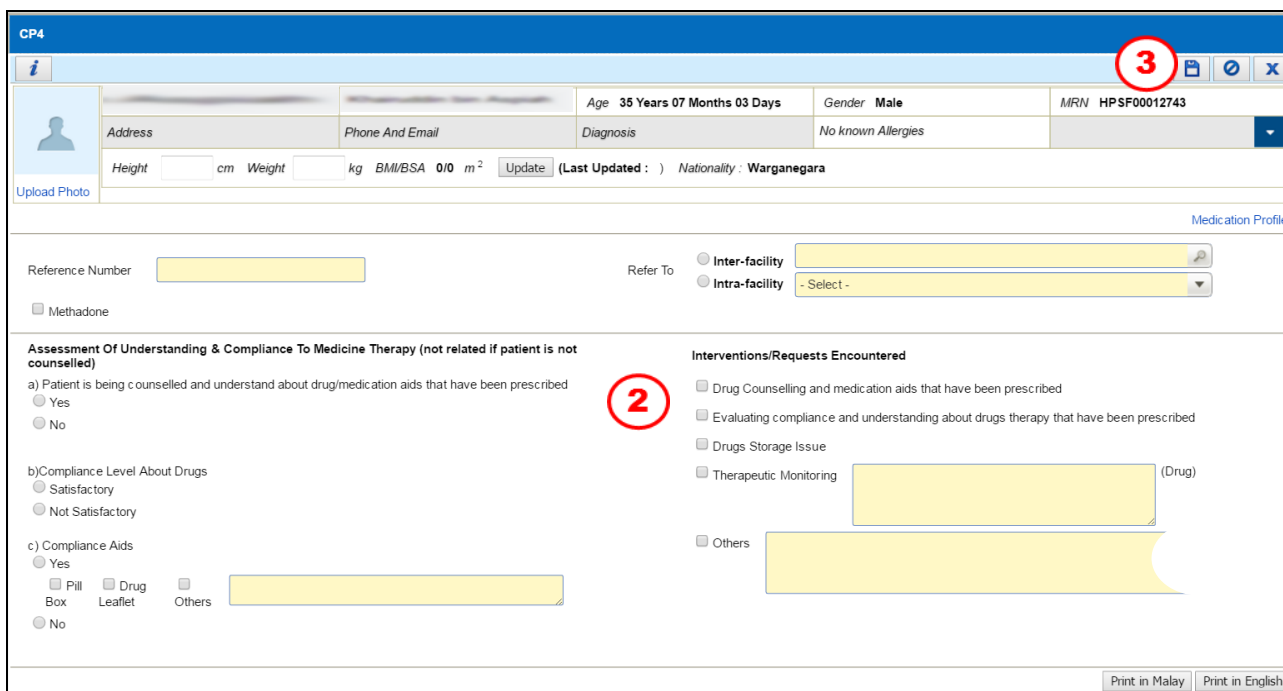


Figure 3.3.1-2 Ward Pharmacy CP4

STEP 2

Enter the information if applicable as **Figure 3.3.1-2**

Note

- Pharmacist can refer patient to **Inter-Facility** or **Intra Facility**
- Need to fill up the part of:
 - **Assessments Of Understanding & Compliance To Medicine Therapy (Not Related If Patient Is Not Counselling)**
 - **Intervention/Request Encountered**

STEP 3

Click on the  button to save CP4 record and *Reference Number* will be generated.

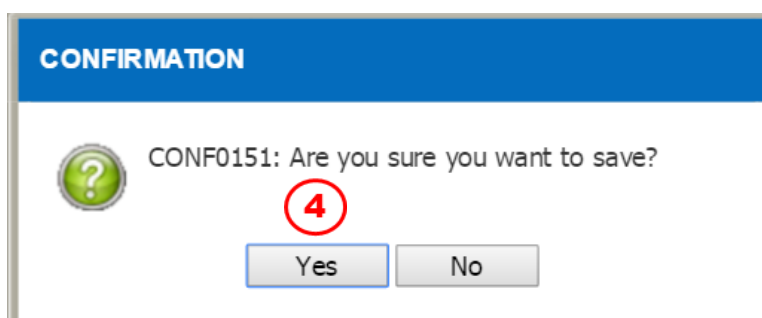
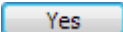


Figure 3.3.1-3 Save Record

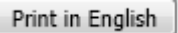
STEP 4

Click on the  button to confirm the save process and *Reference Number* will be generated

Reference Number	CP4/193	Refer To	☒ Inter-facility ☐ Intra-facility	Hospital Muar Test - Select -
------------------	---------	----------	---	----------------------------------

Figure 3.3.1-4 Ward Pharmacy CP4

STEP 5

Click on the  button or  button to print CP4 report

Note

CP4 report can be print in 2 options language:

- Malay
- English

3.3.2 Ward Pharmacy CP4 Methadone Reporting

The function of this menu is to record a discharge referral note for patient methadone.

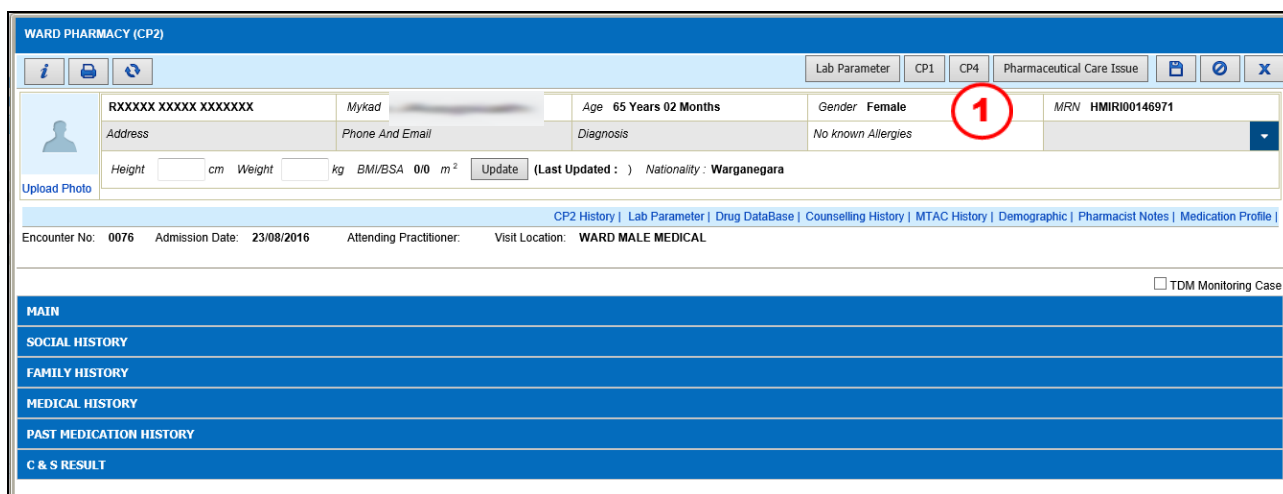


Figure 3.3.2-1 Ward Pharmacy CP4

STEP 1

Click on the **CP4** button in CP2 screen to enter the CP4 screen

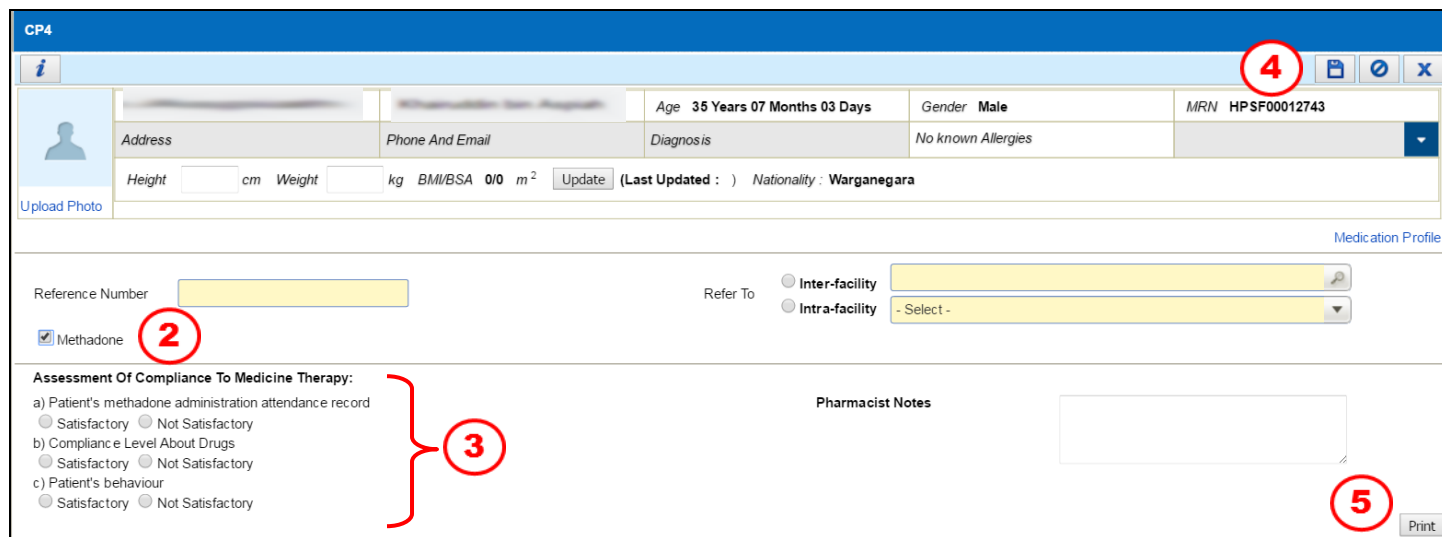


Figure 3.3.2-2 Ward Pharmacy CP4 Methadone

STEP 2

Select on the Methadone checkbox

STEP 3

Enter the information if applicable

STEP 4

Click on the  button to save CP4 Methadone record from

STEP 5

Click on the  button to print CP4 Methadone report.

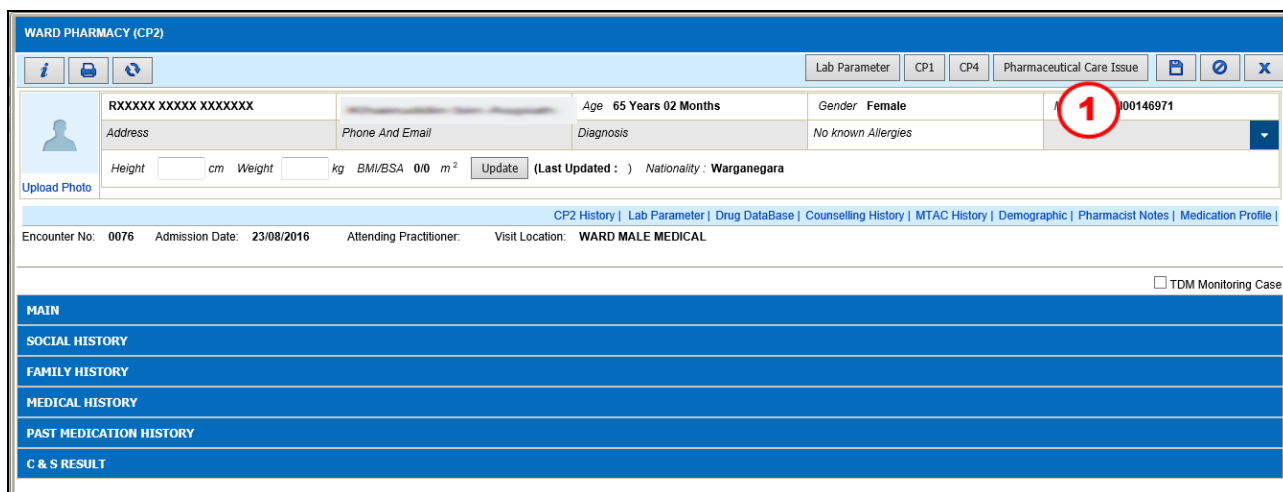
Note

User can select on the Methadone checkbox and the content of the CP4 screen will change dynamically, displaying the CP4 details for Methadone.

3.4 Pharmaceutical Care Issue

3.4.1 Pharmaceutical Care Issue Reporting

The function of this menu is to record any intervention made by pharmacist during pharmacist ward round.



WARD PHARMACY (CP2)

Lab Parameter CP1 CP4 Pharmaceutical Care Issue

RXXXXX XXXXX XXXXXXXX Age 65 Years 02 Months Gender Female 00146971

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

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

Encounter No: 0076 Admission Date: 23/08/2016 Attending Practitioner: Visit Location: WARD MALE MEDICAL

☐ TDM Monitoring Case

MAIN

SOCIAL HISTORY

FAMILY HISTORY

MEDICAL HISTORY

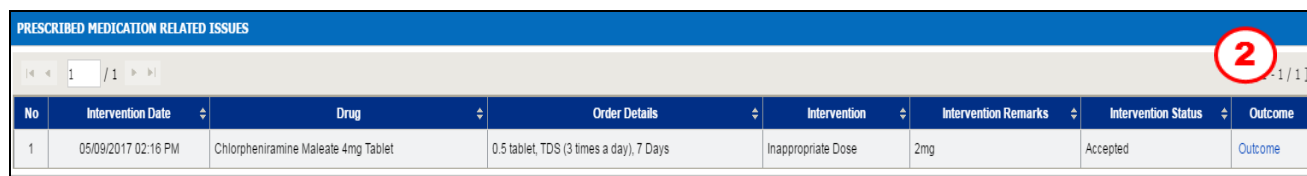
PAST MEDICATION HISTORY

C & S RESULT

Figure 3.4.1-1 Pharmaceutical Care Issue Button

STEP 1

Click on the **Pharmaceutical Care Issue** button in CP2 screen to enter the '**Pharmaceutical Care Issue**' screen



PRESCRIBED MEDICATION RELATED ISSUES

1 / 1

No	Intervention Date	Drug	Order Details	Intervention	Intervention Remarks	Intervention Status	Outcome
1	05/09/2017 02:16 PM	Chlorpheniramine Maleate 4mg Tablet	0.5 tablet, TDS (3 times a day), 7 Days	Inappropriate Dose	2mg	Accepted	Outcome

Figure 3.4.1-2 Prescribed Medication Related Issue

STEP 2

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

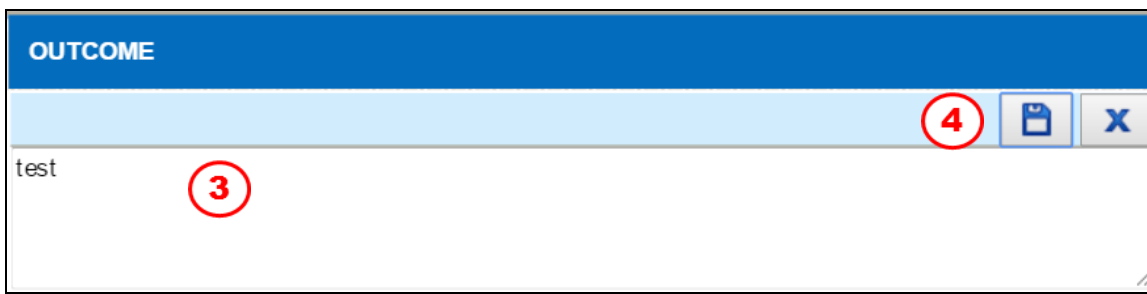


Figure 3.4.1-3 Outcome

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 pharmacist do the prescription intervention during dispensing phase.

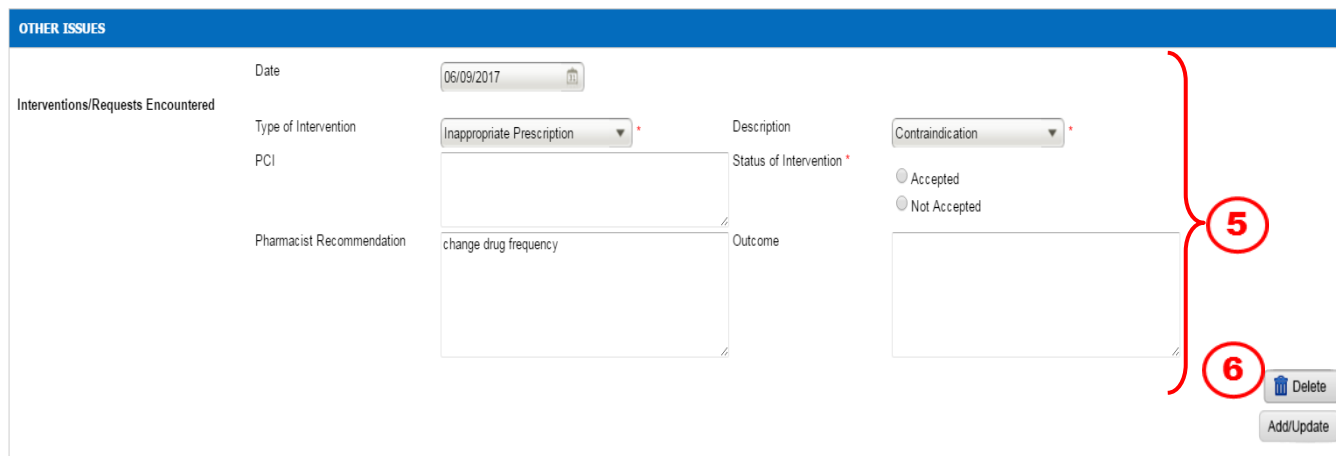
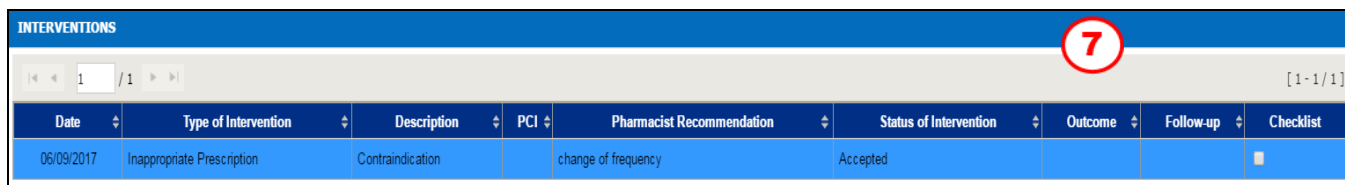


Figure 3.4.1-4 Other Issue



Date	Type of Intervention	Description	PCI	Pharmacist Recommendation	Status of Intervention	Outcome	Follow-up	Checklist
06/09/2017	Inappropriate Prescription	Contraindication		change of frequency	Accepted			

Figure 3.4.1-5 Intervention

STEP 5

Enter '**Other Issues**' if applicable

- a) Date
- b) Type of Intervention
- c) PCI
- d) Pharmacist Recommendation
- e) Description
- f) Status of Intervention
 - Accepted
 - Not Accepted
- g) Outcome

Note

This section is use for ward pharmacist to record other PCI issue that is not related to dispensing intervention.

STEP 6

Click on the  button to save the record and it will display in Interventions section as Figure 3.4.1-5

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, double click on the data then click on the  button.

STEP 7

Double click on the data to enter the follow up information as Figure 3.4.1-5

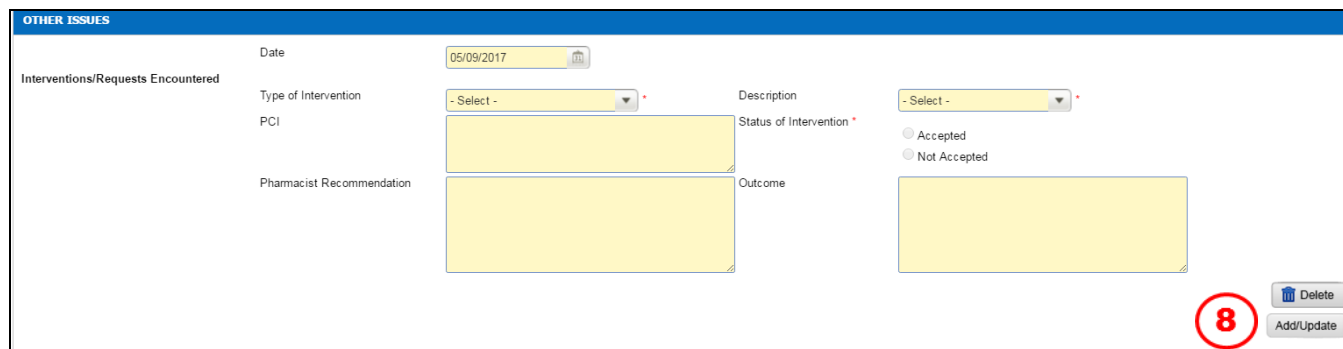
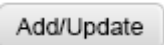


Figure 3.4.1-6 Follow Up

INTERVENTIONS								
[1 - 1 / 1]								
Date	Type of Intervention	Description	PCI	Pharmacist Recommendation	Status of Intervention	Outcome	Follow-up	Checklist
05/09/2017	Miscellaneous	Unclear Handwriting			Accepted			☐

Figure 3.4.1-7 Follow Up

STEP 8

Enter the information at the Follow-up filled then click on the Double click on the  button

3.5 Lab Parameter

3.5.1 Lab Parameter Reporting

The function of this menu is to record result laboratory reporting into the system.

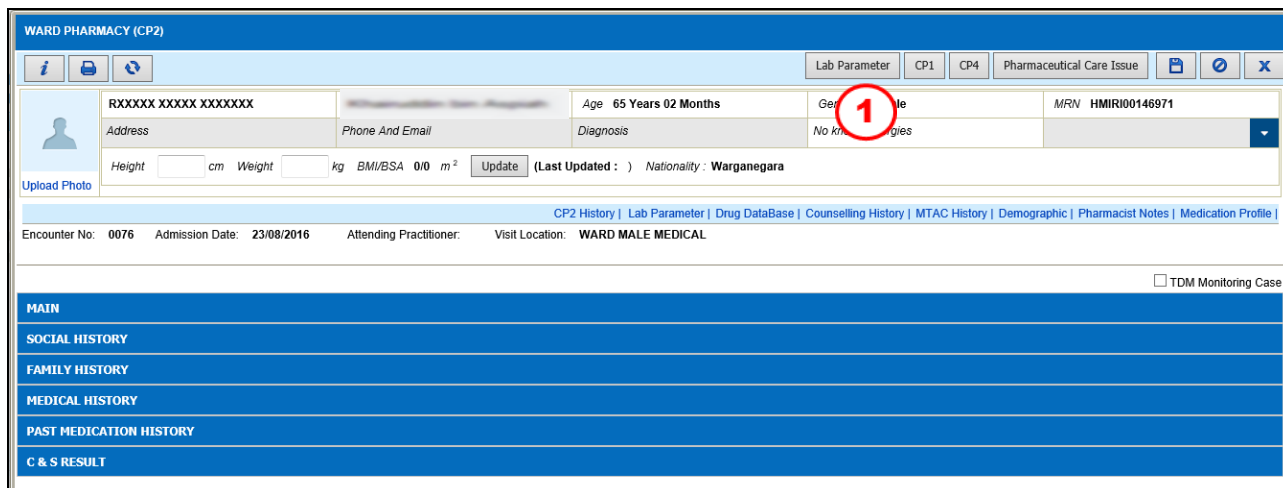
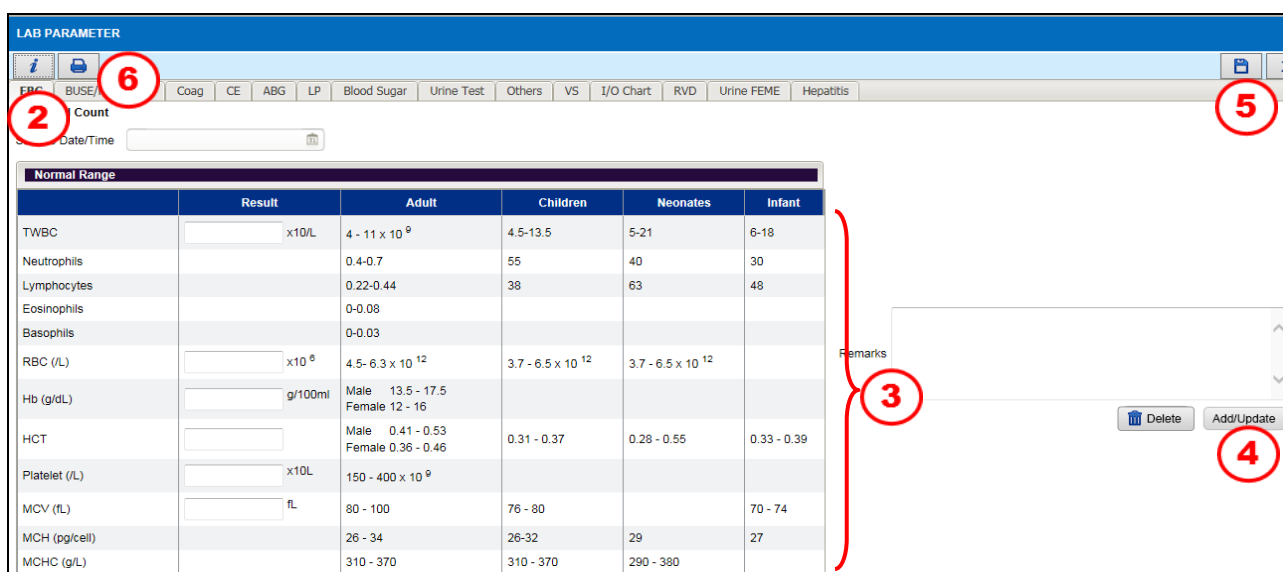


Figure 3.5.1-1 Lab Result Button

STEP 1

Click on the **Lab Parameter** in CP2 screen button in CP2 screen to enter the '**Lab Parameter**' screen



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

Figure 3.5.1-2 Lab Result Field

STEP 2

Select one of lab test tab, example '**FBC**'

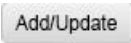
STEP 3

Enter the information received from lab

Note

Fields in the '**Lab Parameter**' is different base on selected '**Lab Parameter**' tab.

STEP 4

Click on the  button and the information will display in '**Result List**' as Figure 3.5.1-3

STEP 5

Click on the  button to save the record

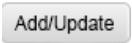
STEP 6

Click on the  button to print the record

Result List							
« 1 / 1 »							
Sample Date/Time	TWBC	RBC	MCV	Hb	HCT	Platelet	Remarks
07/04/2014 05:11 PM	6.5	5	77		0.31		

Figure 3.5.1-3 FBC Lab Result Field

Note

- To edit information in '**Result List**' section, double click on the data then click on the  button. Change the information that display in the field.
- To delete information in '**Result List**' section, double click on the data then click on the  button.

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	Inpatient	Click Here	12	CDR Dispensing	Click Here
2	CDR Order	Click Here	13	Methadone Dispensing	Click Here
3	TDM Order	Click Here	14	PN Dispensing	Click Here
4	PN Order	Click Here	15	Order Management	Click Here
5	IV Order	Click Here	16	Patient Management	Click Here
6	Prepacking	Click Here	17	Radiopharmaceuticals	Click Here
7	Galenical	Click Here	18	Outpatient	Click Here
8	MTAC	Click Here	19	Special Drug Request	Click Here
9	ADR & DAC	Click Here	20	MAR	Click Here
10	Medication Counselling	Click Here	21	DICE	Click Here
11	Ward Pharmacy	Click Here	22		