



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

Pharmacy Based

User Manual Adverse Drug Reaction (ADR) & Drug Allergy Card (DAC)

Version	: 1.5
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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 to 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 Adverse Drug Reaction (ADR) and Drug Allergy Card (DAC) sub-module and its key features and functionalities. The primary objective is to guide user through the process of completing PhIS application process.

User will understand the following activities in details:

- ADR Reporting
- NPCB Feedback
- Adverse Event Following Immunisation
- Print Allergy Card

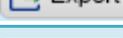
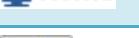
1.3 Organised Sections

These are the sections within this document:

- Section 1 : Introduction
- Section 2 : Application Standard Features
- Section 3 : Adverse Drug Reaction (ADR) & Drug Allergy Card (DAC)
- 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		Cancel
	Display Home Tab		Search Icon
	Show Help		Edit Record
	Search Record		Cancel Button
	Dropdown Box		Empty Text Box
	Mandatory Field		



ADR & DAC Module Legend			
Print In Malay	Print DAC card in Malay	Causality Grading	Causality Grading Guide
Print In English	Print DAC card in English	WHO Terminology Guide	WHO Terminology Guide Hyperlink

Note

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

3.0 Adverse Drug Reaction & Drug Allergy Card

Overview

The Adverse Drug Reaction module converse the implementation of a safe, organised, and efficient adverse drug reaction reporting, adverse reaction after immunisation reporting and allergy card printing

User Group

This module is intended for pharmacist and prescriber.(subject to the user assigned by the facility)

Functional Diagram

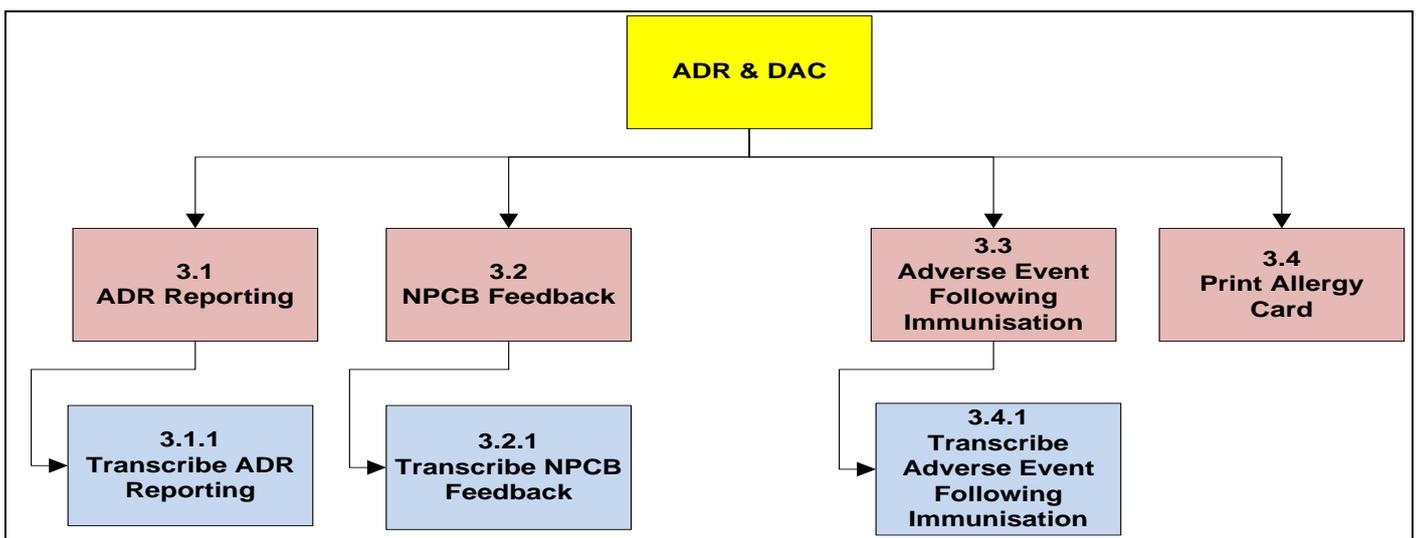


Figure 3.1

Functional Description

ADR & DAC comprises of four (4) main functions:

- **ADR Reporting**
This process is used by prescriber and pharmacist to record any adverse drug reaction of the patient. The format is similar to the Adverse Drug Reaction Form by National Pharmaceutical Control Bureau (NPCB).
- **NPCB Feedback**
This process is used by pharmacist to record any feedback on the ADR Reporting sent to National Pharmaceutical Control Bureau (NPCB) into the system.
- **Adverse Event Following Immunisation**
This process used by prescriber and pharmacist to record any adverse reaction after immunisation.
- **Print Allergy Card**
This process is used by pharmacist to print an allergy card for the patient. The allergy record is created based on allergy reported by prescriber.

3.1 ADR Reporting

3.1.1 Transcribe ADR Reporting

This function is used to record any drug reaction of the patient before sending to NPCB.

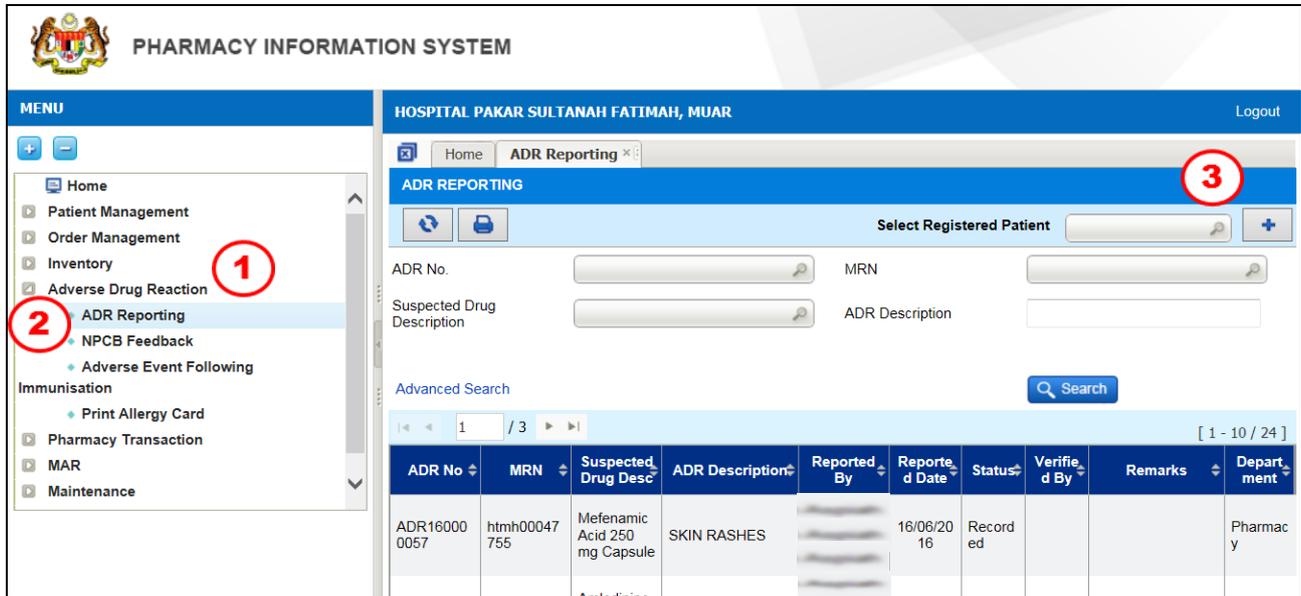


Figure 3.1.1-1 ADR Reporting Listing Page

Note

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

STEP 1

Click on 'Adverse Drug Reaction' menu

STEP 2

Click on 'ADR Reporting' sub-menu

STEP 3

Click on the  button to search for patient record

Note

Search for ADR Reporting record by below criteria :-

Basic Search			
No	Field	Description	Remark
a	ADR No	–	Allow to search record by full or partial ADR No
b	MRN	Patient MRN	Allow to search by patient full or partial MRN No
c	Suspected Drug Description	Drug Name	Allow to search by full or partial drug name
d	ADR Description	–	Allow to search by full or partial ADR description exp, Rash, Rashes
Advance Search			
e	Reported Date From	–	Allow to search date before current date
f	Reported Date To	–	Allow to search date later than date on Reported Date From field

g k	Reported By Status	User Login Name – All – Confirmed – Verify – Recorded	Allow to search by full or partial User Login Name – All - Allow to search for records by status Confirmed, Verify and Recorded – Confirmed - Allow to search for records that have been confirmed – Verify - Allow to search for records that are verified but not yet confirmed – Recorded - Allow to search for records that are not yet verified and confirmed
l	Department	–	Allow to search by full or partial department name in facility

Table 3.1.1

5

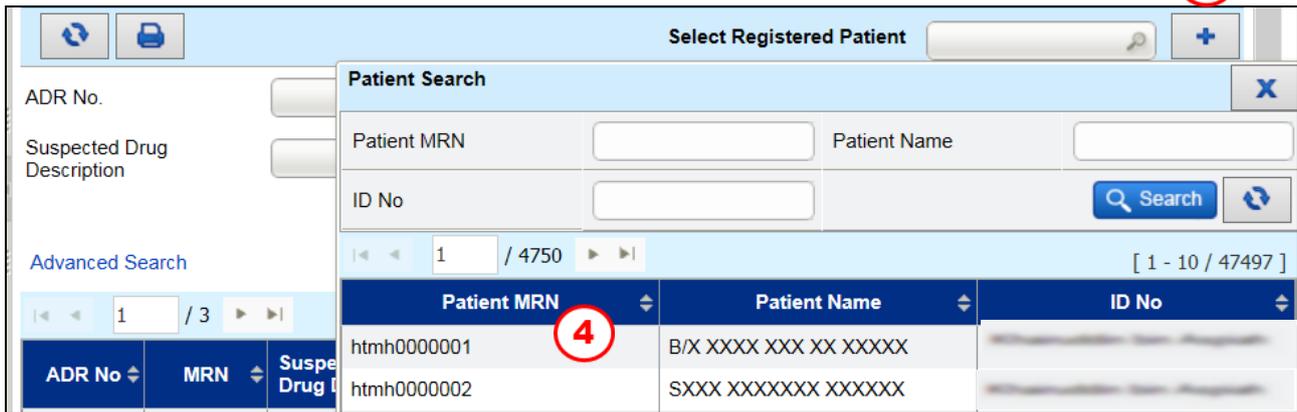


Figure 3.1.1-2 Enter/Select search MRN

STEP 4

Double-click on selected patient record

STEP 5

Click on the  button and system will generate '**ADR Reporting**' screen

Note

Below options are provided for user to view the additional patient information. Click on the hyperlink as below:

- a) **ADR**
 - ADR [reporting history details](#).
- b) **Demographic**
 - Patient's demographic details.



Figure 3.1.1-3 ADR Details Information

STEP 6

Enter the information in the mandatory field in **ADR Details** section:

- a) **Adverse Reaction Description.**
- b) **Date Of Reaction**
- c) **Time To Onset of Reaction**
- d) **Treatment of Adverse Reaction**
- e) **Outcome**
- f) **Drug Relationship**
- g) **Extent of Reaction**
- h) **Reaction Subsided after stopping drug or Reducing Dose**
- i) **Reaction reappeared after reintroducing drug**

Note

- Non mandatory fields below can be entered if applicable
 - a) **Please Classify for Skin Reaction**
 - b) **Additional Information**
- User can refer the guideline from the link [WHO Terminology Guide](#) to enter the information in the field '**Adverse Reaction Description**'
- If "Yes" is selected for '**Additional Information**' from drop down box, another drop down box will appear with the following:
 - Drug Interaction
 - Medication Error
 - Medication Ineffective
 - Others
- **Race** field is retrieved from patient registration.
- Select '**Outcome**' from drop down box:
 - Fatal
 - Not Yet Recovered
 - Recovered
 - Unknown
- If 'Fatal' selected for outcome, enter the '**Date of Death**'.

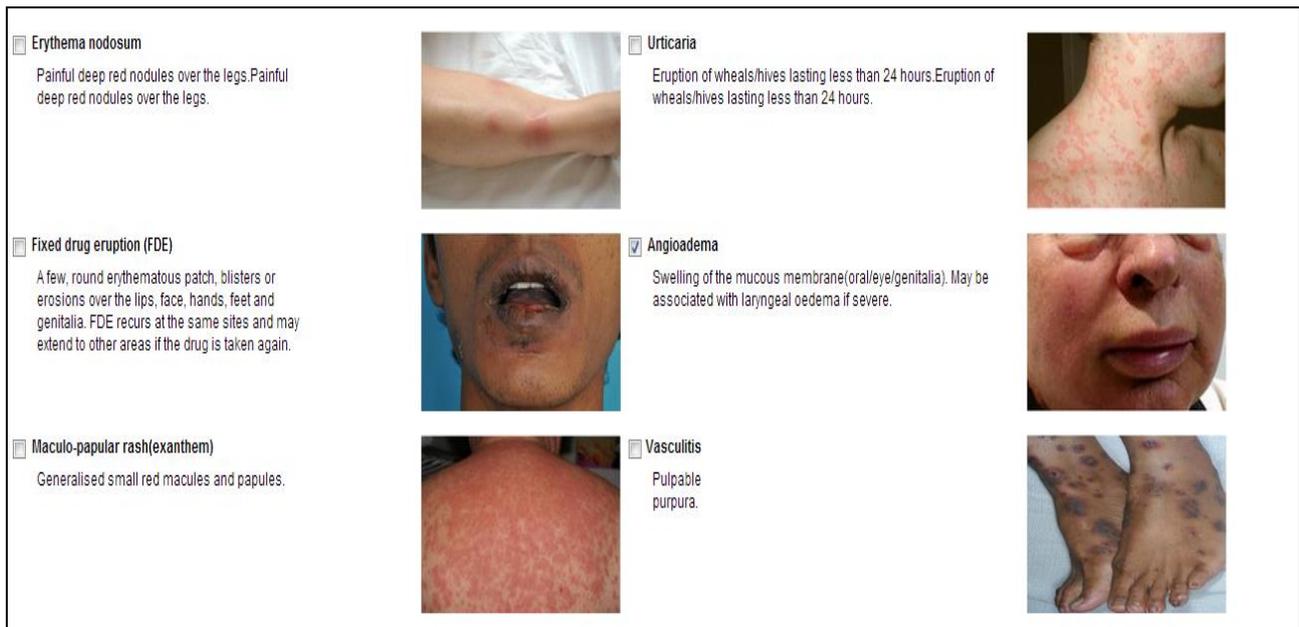


Figure 3.1.1-4 Skin Reaction Screen

Note

- If **'Please Classify for Skin Reaction'** checkbox is selected, [Skin Reaction](#) hyperlink is displayed. Click on the hyperlink, system will display as shown in Figure 3.1.1-4. Select the checkbox and click on the  button to save the record.

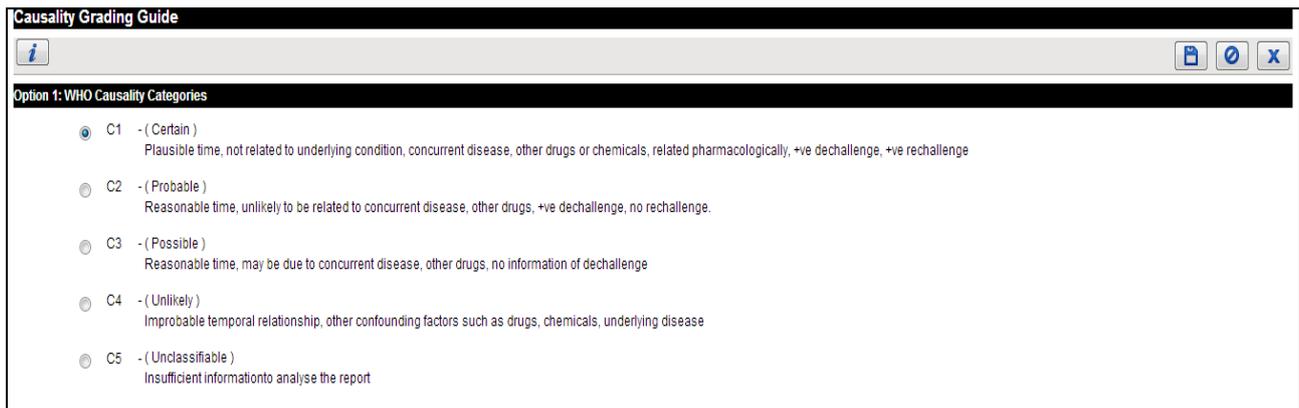


Figure 3.1.1-5 WHO Causality Grading

Note

- **Drug Relationship** field is selected from drop down box or by clicking on the [WHO Causality Categories/Naranjo Algorithm](#) hyperlink. System will display the screen as shown in Figure 3.1.1-5 and Figure 3.1.1-6.
- Results selected from WHO Causality Grading will be displayed at the Drug Relationship field.

Option 2: Naranjo Algorithm

- Are there previous conclusive reports on this reaction?
 Yes
 No
 Unknown
- Did the adverse event appear when the suspected drug was administered?
 Yes
 No
 Unknown
- Did the adverse reaction improve when the drug was discontinued or a specific antagonist was administered?
 Yes
 No
 Unknown
- Did the adverse reaction reappear when the drug was readministered?
 Yes
 No
 Unknown
- Are there alternative causes (other than the drug) that could on their own have caused the reaction?
 Yes
 No
 Unknown
- Did the reaction reappear when a placebo was given?
 Yes
 No
 Unknown
- Was the drug detected in the blood (or other fluids) in concentrations known to be toxic?
 Yes
 No
 Unknown
- Was the reaction more severe when the dose was increased, or less severe when the dose was decreased?
 Yes
 No
 Unknown
- Did the patient have a similar reaction to the same or similar drugs in any previous exposure?
 Yes
 No
 Unknown
- Was the adverse event confirmed by any objective evidence?
 Yes
 No
 Unknown

Score 6

Scoring: (More than 7) Certain, (5 - 6) Possible, (3 - 4) Probable, (1- 2) Unlikely, (0) Unclassifiable

Figure 3.1.1-6 Naranjo Algorithm

- Naranjo Algorithm is used as a guideline only. Results from this questionnaire will not be used as the causality grading.
- Select on the radio button and click on the  button to save the record

2. DRUG DETAILS 7

MDC	Product/Generic Name	Drug Type	Total daily dosage given	Frequency	Route	Manufactured	Product Reg No	Brand	Therapy Start Date	Therapy End Date
R03BB04320C990100	Tiotropium Bromide Inhalation 18 mcg Capsules		1 cap	OD	Inhalation				12/03/2014	10/06/2014
R03AK3386A210100	Ipratropium Br 20 mcg Fenoterol 50 mcg/dose Inhalation		1 puff	TDS	Inhalation				12/03/2014	10/06/2014
H02AB06000T100100	Prednisolone 5 mg Tablet		30 mg	OD	Oral				12/03/2014	10/06/2014
H03BB01000T100100	carBimazole 5mg Tablet		30 mg	OD	Oral				12/03/2014	11/04/2014
S02DC00000D100100	Olive Oil Ear Drops		1 drop	Q1H	Ear Left				31/03/2014	01/04/2014

Figure 3.1.1-7 Drug Details

STEP 7

Click on the  button as shown in Figure 3.1.1-7 and 'Add Drug Detail' screen will be displayed as shown in Figure 3.1.1-8

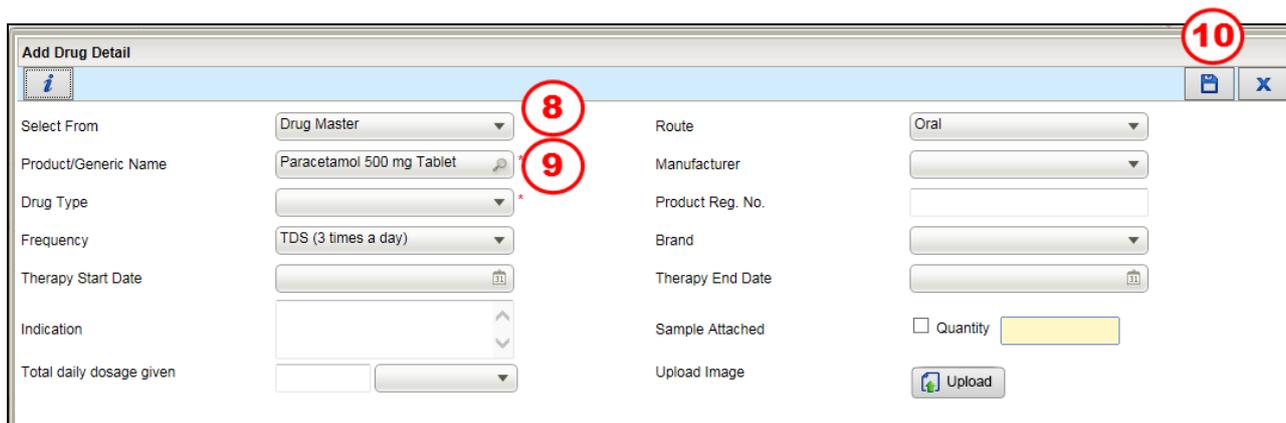


Figure 3.1.1-8 Add Drug Details

STEP 8

Select and enter from Select From drop down box:

- Drug Master
- Others

Note

- *Drug Master- The searching of drugs will be from the Drug Master list.*
- *Others – Free text field provided. User can record drugs which are not setup in the drug configuration file. e.g.: traditional herbs.*

STEP 9

Enter **Product/Generic Name**. The selection will be based on the selected criteria in the **Select From** field

Note

- *Enter the other optional field if applicable*
 - a) **Drug Type**
 - b) **Frequency**
 - c) **Therapy Start Date**
 - d) **Indication**
 - e) **Total daily dosage given**
 - f) **Route**
 - g) **Manufacturer**
 - h) **Product Reg No**
 - i) **Brand**
 - j) **Sample Attached**
 - k) **Upload Image**
- **Select From** field = Drug Master, **Frequency** and **Route** field is displayed as drop down box.
- **Select From** field = Other, **Frequency** and **Route** field is displayed as free text fields.
- Select the checkbox **Sample Attached** and enter the quantity if sample is available from patient.
- Click on the **Upload** button to upload the image of the drug if available.

STEP 10

Click on the  button to save the record

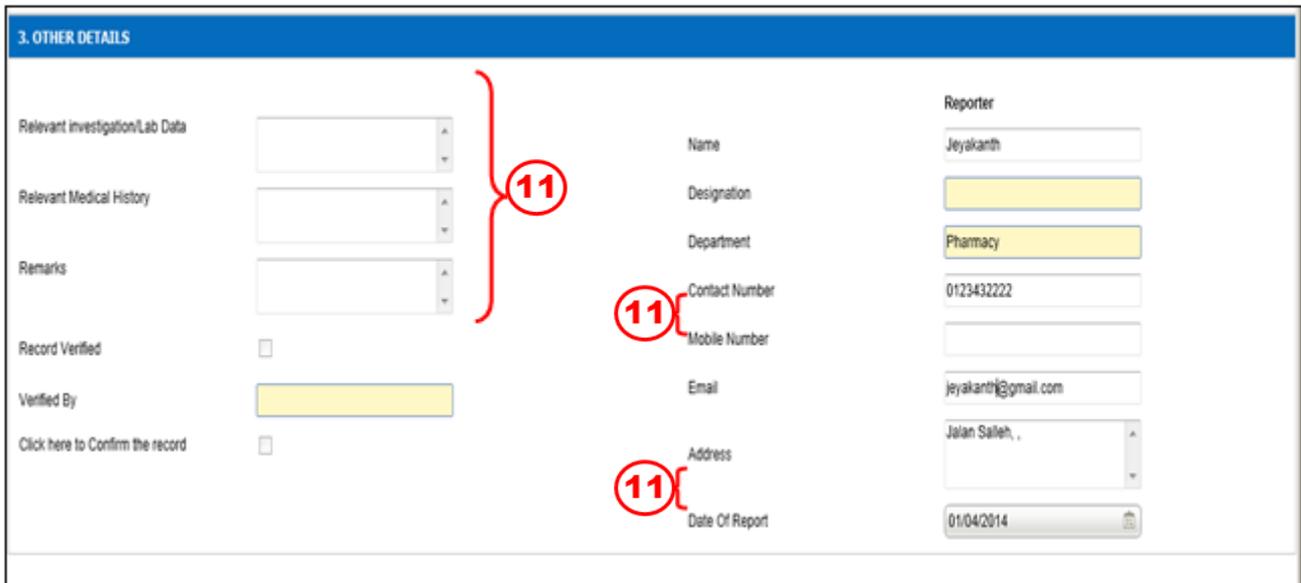


Figure 3.1.1-9 Other Details

STEP 11

Enter the information for below if applicable:

- a) **Relevant investigation Lab Data**
- b) **Relevant Medical History**
- c) **Remarks**
- d) **Mobile Number**
- e) **Date Of Report**

Note

Fields of Reporter section that will be extracted automatically from the user account are:

- a) **Name**
- b) **Designation**
- c) **Department**
- d) **Contact Number**
- e) **Email**
- f) **Address**

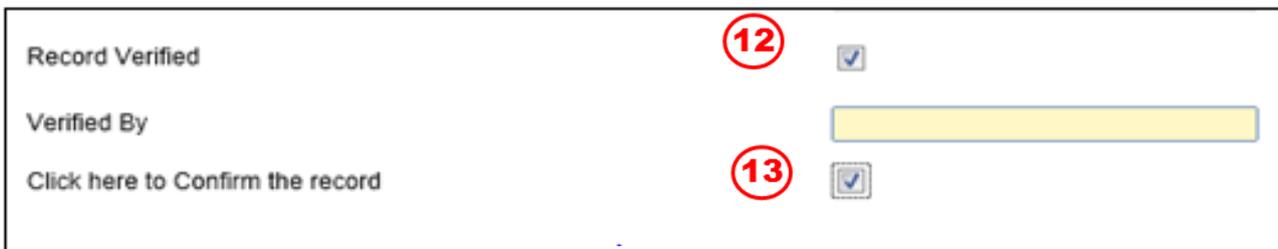


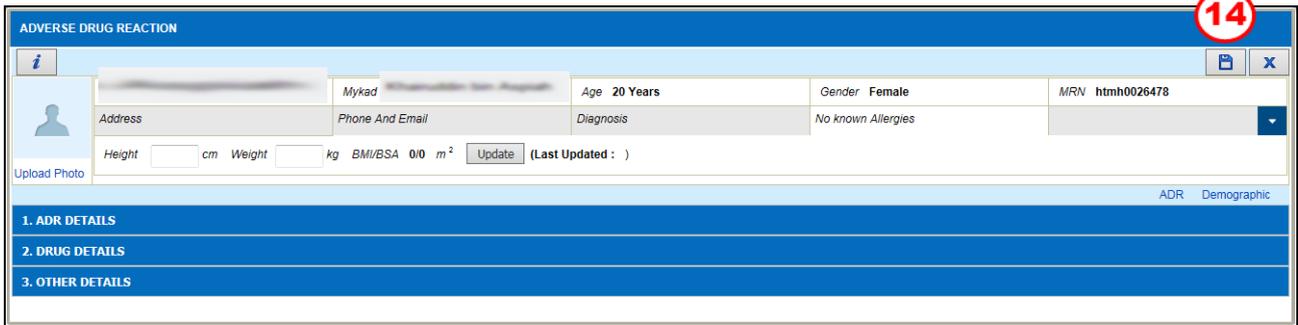
Figure 3.1.1-10 Record Verified

STEP 12

Select the **Record Verified** checkbox to verify the record. Once the checkbox is selected, adding and editing of data are not allowed

STEP 13

Click on the **Click here to Confirm the record** checkbox then print the form to send the form to NPCB



The screenshot shows a web form titled "ADVERSE DRUG REACTION". The form is divided into several sections. At the top right, there is a red circle with the number "14". Below the title bar, there are several input fields and buttons. On the left, there is a "Mykad" field and an "Age" field set to "20 Years". To the right, there is a "Gender" field set to "Female" and an "MRN" field set to "htmh0026478". Below these, there are fields for "Address", "Phone And Email", "Diagnosis", and "No known Allergies". At the bottom of the form, there are fields for "Height" (cm), "Weight" (kg), and "BMI/BSA" (0/0 m²), along with an "Update" button and a "(Last Updated :)" field. On the right side of the form, there are two buttons: a save button (floppy disk icon) and a close button (X icon). Below the form, there are three tabs: "1. ADR DETAILS", "2. DRUG DETAILS", and "3. OTHER DETAILS".

Figure 3.1.1-11 Save Record

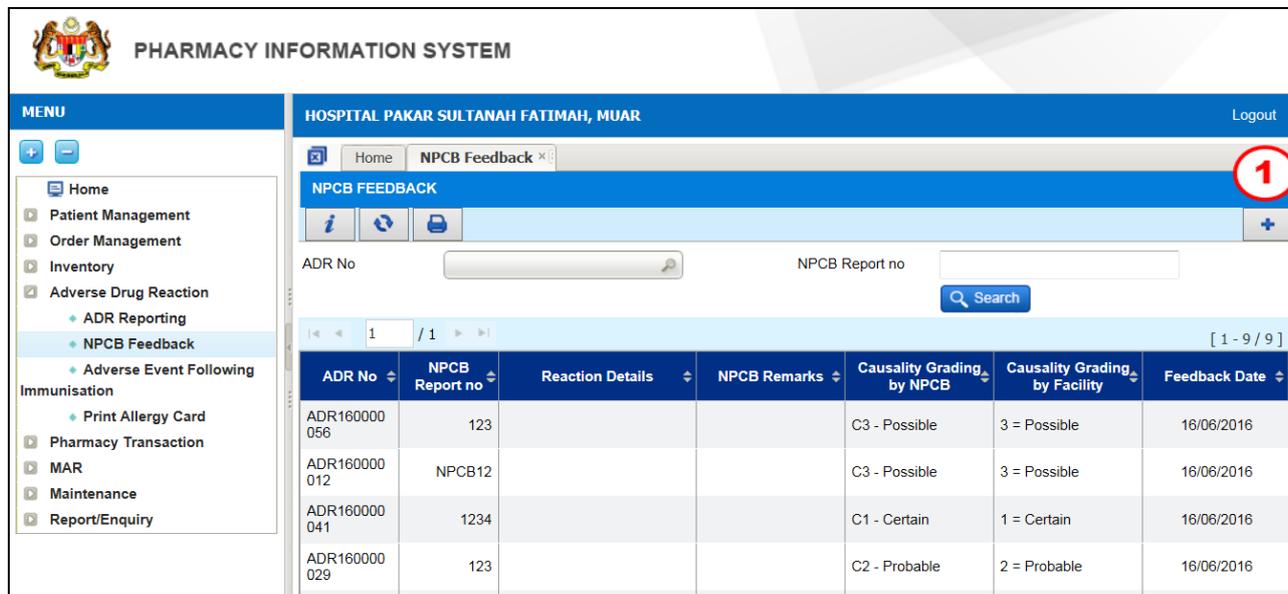
STEP 14

Click on the  button to save the record then click  to close the window

3.2 NPCB Feedback

3.2.1 Transcribe NPCB Feedback

The function of this menu is to record any feedback from NPCB into the system



ADR No	NPCB Report no	Reaction Details	NPCB Remarks	Causality Grading by NPCB	Causality Grading by Facility	Feedback Date
ADR160000056	123			C3 - Possible	3 = Possible	16/06/2016
ADR160000012	NPCB12			C3 - Possible	3 = Possible	16/06/2016
ADR160000041	1234			C1 - Certain	1 = Certain	16/06/2016
ADR160000029	123			C2 - Probable	2 = Probable	16/06/2016

Figure 3.2.1-1 NPCB Feedback Listing Page

Note

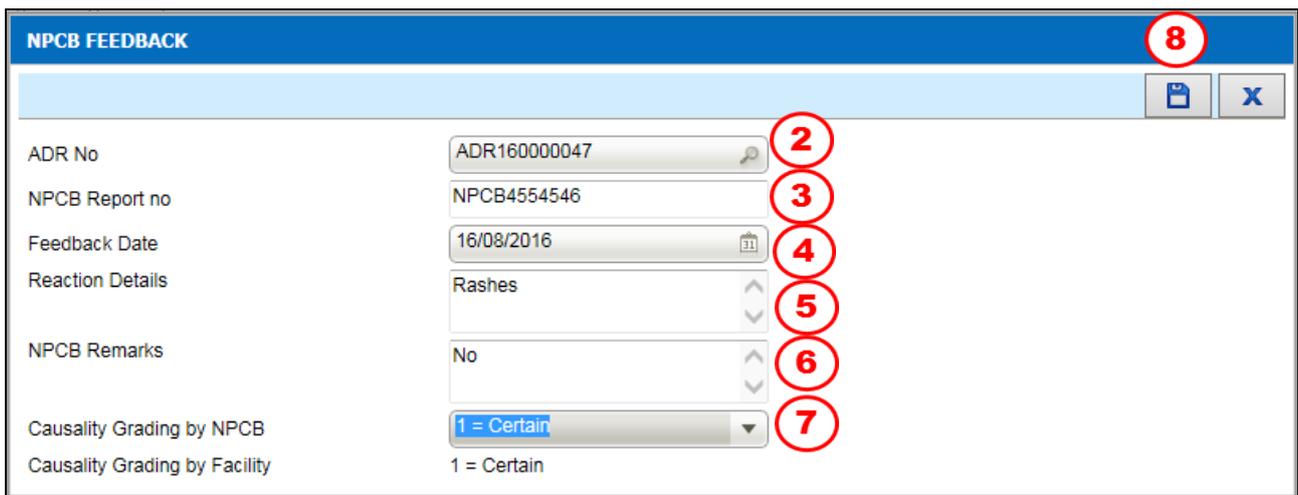
Search for NPCB Feedback record by below criteria:

No	Field	Description	Remark
a	ADR No	–	Allow to search record by full or partial ADR No
b	NPCB Report No	–	Allow to search record by full or partial NPCB Report No

Table 3.2.1

STEP 1

Click at the  button to create new '**NPCB Feedback**' report



NPCB FEEDBACK 8

ADR No: ADR160000047 2

NPCB Report no: NPCB4554546 3

Feedback Date: 16/08/2016 4

Reaction Details: Rashes 5

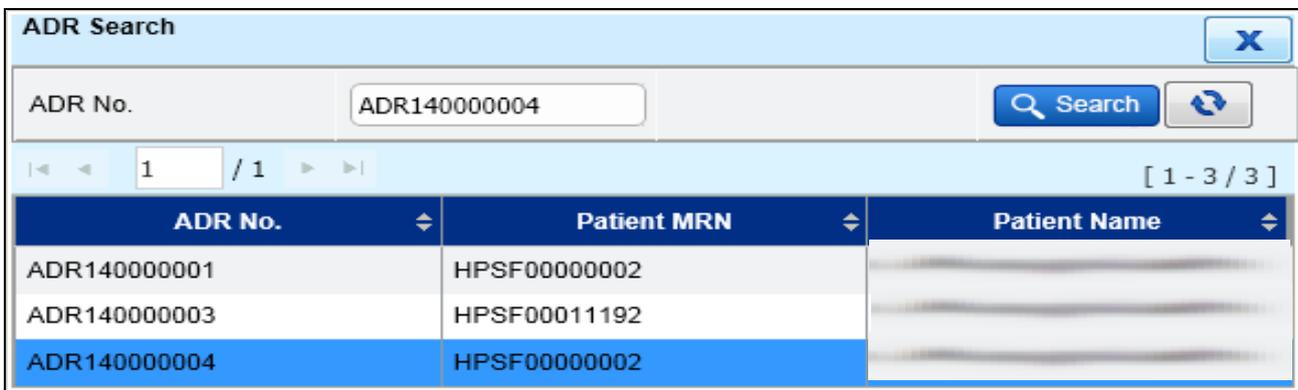
NPCB Remarks: No 6

Causality Grading by NPCB: 1 = Certain 7

Causality Grading by Facility: 1 = Certain

[Save] [X]

Figure 3.2.1-2 NPCB Feedback



ADR Search X

ADR No. ADR140000004 Search [Refresh]

1 / 1 [1 - 3 / 3]

ADR No.	Patient MRN	Patient Name
ADR140000001	HPSF00000002	
ADR140000003	HPSF00011192	
ADR140000004	HPSF00000002	

Figure 3.2.1-3 ADR Search

STEP 2

Search ADR no from the list by clicking the icon  and system will display as shown in Figure 3.2.1-2 and generate the data for '**Causality Grading by Facility**' field

STEP 3

Enter **NPCB Report no**

STEP 4

Enter **Feedback Date** by choose from calendar

STEP 5

Enter **Reaction Details**

STEP 6

Enter **Pharmacist remarks**

STEP 7

Enter **Causality Grading** information

STEP 8

Click  to save the record then click  to close the window

3.3 Adverse Event Following Immunization

3.3.1 Transcribe Adverse Event Following Immunisation

The function of this menu is to record any vaccine reaction of the patient

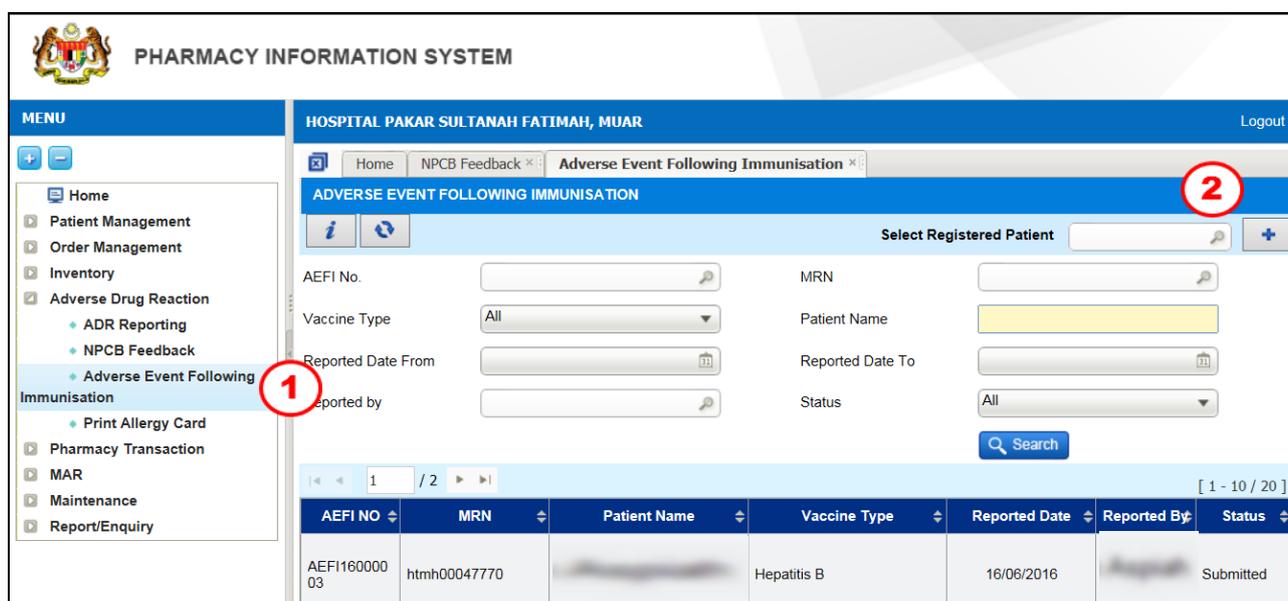


Figure 3.3.1-1 Adverse Event Following Immunisation Listing Page

Note

Search for AEFI record by below criteria:-

No	Field	Description	Remark
a	AEFI No	–	Allow to search record by full or partial AEFI No
b	MRN	Patient MRN	Allow to search patient by full or partial MRN No
c	Vaccine Type	<ul style="list-style-type: none"> – All – Diphtheria/Tetanus/Pertussis – Diphtheria/Tetanus/Pertussis/Poliomyelitis – Hepatitis B – Human Papillomavirus (HPV) – Lain-lain – MMR 	<ul style="list-style-type: none"> – All – Allow to search from criteria Diphtheria/Tetanus/Pertussis until MMR – Diphtheria/Tetanus/Pertussis – Allow to search Diphtheria/Tetanus/Pertussis vaccine type – Diphtheria/Tetanus/Pertussis/Poliomyelitis-Allow to search Diphtheria/Tetanus/ Pertussis/ Poliomyelitis vaccine type – Hepatitis B – Allow to search Hepatitis B vaccine type – Human Papillomavirus (HPV) - Allow to search Human Papillomavirus (HPV) vaccine type – Lain-lain – Allow to search vaccine which not classified – MMR – Allow to search MMR vaccine type
d	Reported Date From	–	Allow to search date before current date
e	Reported Date To	–	Allow to search date later than date on Reported Date From field
f	Reported By	User Login Name	Allow to search by full or partial User Login Name
g	Status	<ul style="list-style-type: none"> – All – Recorded – Submitted 	<ul style="list-style-type: none"> – All - Allow to search record by status Recorded and Submitted – Recorded - Allow to search for records that are saved but not yet confirmed – Submitted - Allow to search for records that are saved and confirmed

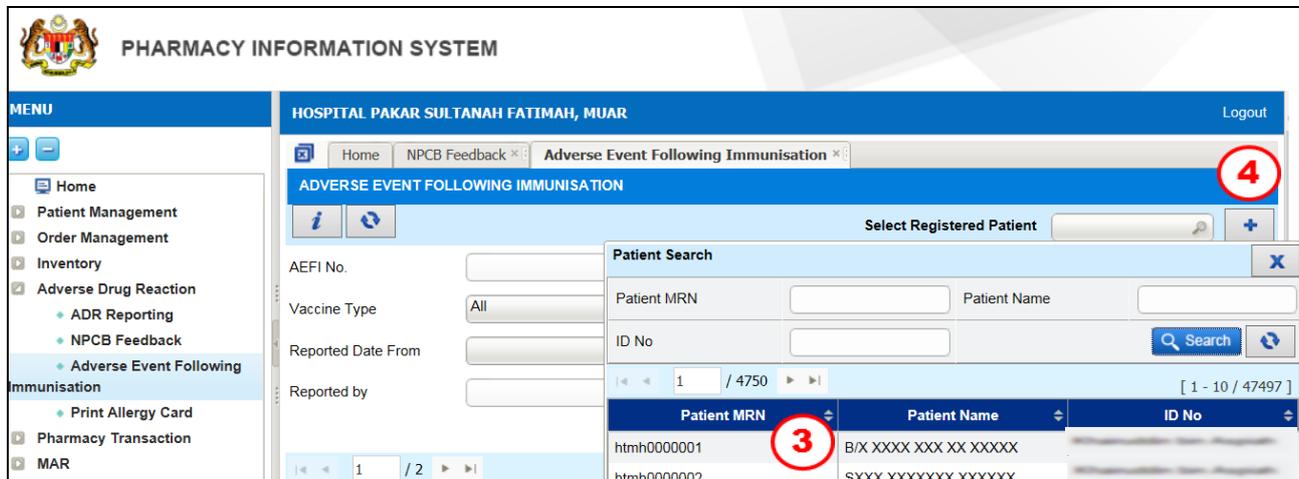
Table 3.3.1

STEP 1

Select ' Adverse Drug Reaction' menu follow by' Adverse Event Following Immunisation' sub menu

STEP 2

Click on the  button to create new patient record



PHARMACY INFORMATION SYSTEM

HOSPITAL PAKAR SULTANAH FATIMAH, MUAR Logout

Home NPCB Feedback Adverse Event Following Immunisation 4

ADVERSE EVENT FOLLOWING IMMUNISATION

Select Registered Patient +

Patient Search

AEFI No.

Vaccine Type

Reported Date From

Reported by

Patient MRN Patient Name

ID No

[1 - 10 / 47497]

Patient MRN	Patient Name	ID No
htmh0000001 3	B/X XXXX XXX XX XXXXX	
htmh0000002	SXXX XXXXXXXX XXXXXX	

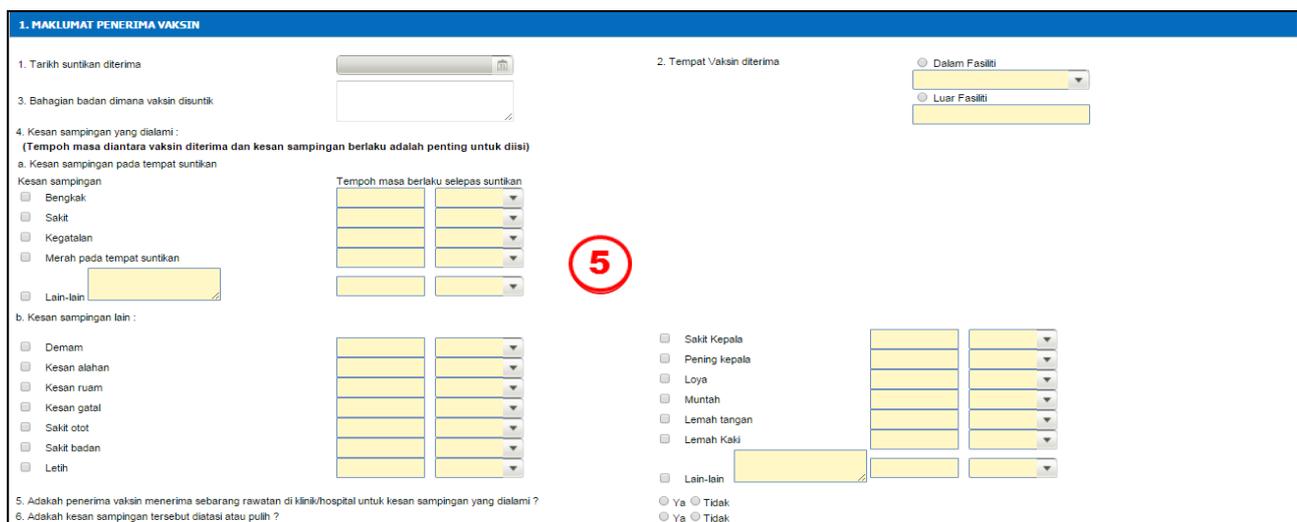
Figure 3.3.1-2 Select Registered Patient

STEP 3

Select patient record

STEP 4

Click on the  button to begin recording Adverse Event Following Immunisation for the selected MRN



1. MAKLUMAT PENERIMA VAKSIN

1. Tarikh suntikan diterima

2. Tempat Vaksin diterima Dalam Fasiliti Luar Fasiliti

3. Bahagian badan dimana vaksin disuntik

4. Kesan sampingan yang dialami :
(Tempoh masa diantara vaksin diterima dan kesan sampingan berlaku adalah penting untuk diisi)

a. Kesan sampingan pada tempat suntikan

Kesan sampingan

Bengkak

Sakit

Kegatalan

Merah pada tempat suntikan

Lain-lain

Tempoh masa berlaku selepas suntikan

b. Kesan sampingan lain :

Demam

Kesan alahan

Kesan ruam

Kesan gatal

Sakit otot

Sakit badan

Letih

Sakit Kepala

Pening kepala

Loya

Muntah

Lemah tangan

Lemah Kaki

Lain-lain

5

5. Adakah penerima vaksin menerima sebarang rawatan di klinik/hospital untuk kesan sampingan yang dialami ?

6. Adakah kesan sampingan tersebut diatasi atau pulh ?

Ya Tidak

Ya Tidak

Figure 3.3.1-3 Maklumat Penerima Vaksin

STEP 5

Enter the information in Maklumat Penerima Vaksin section based on 6 main question if applicable:

1. Tarikh suntikan diterima
2. Tempat Vaksin diterima
3. Bahagian badan dimana vaksin disuntik
4. Kesan sampingan yang dialami
5. Adakah penerima vaksin menerima sebarang rawatan di klinik/hospital untuk kesan sampingan yang dialami
6. Adakah kesan sampingan tersebut diatasi atau pulih

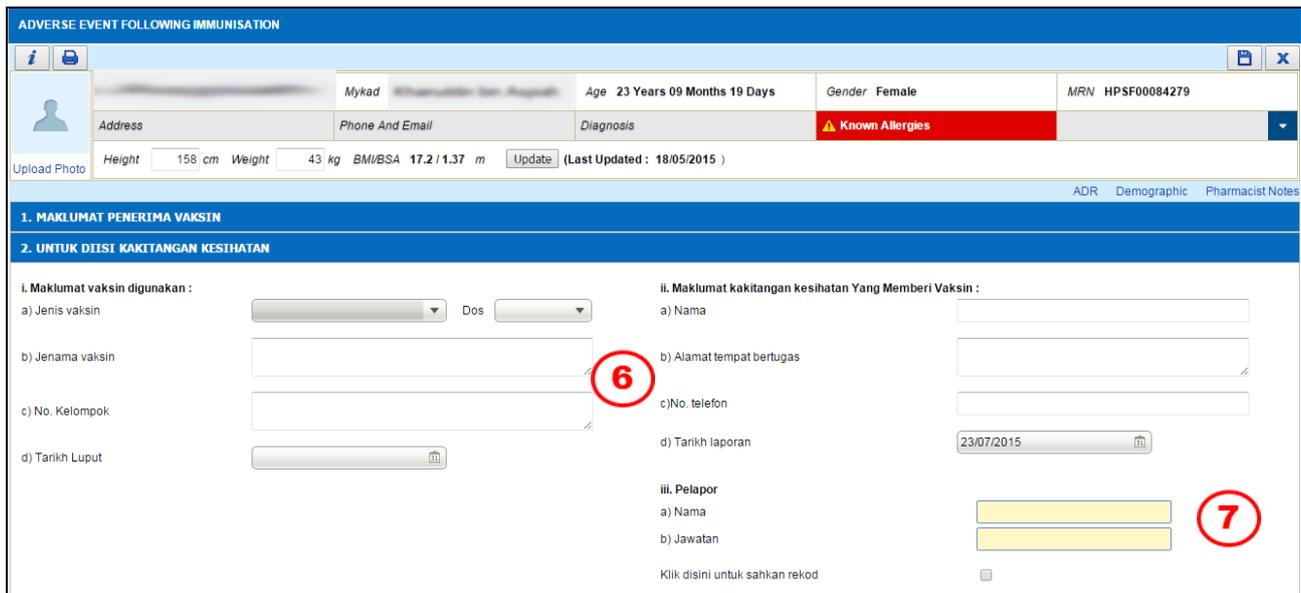


Figure 3.3.1-4 Untuk Diisi Kakitangan Kesihatan

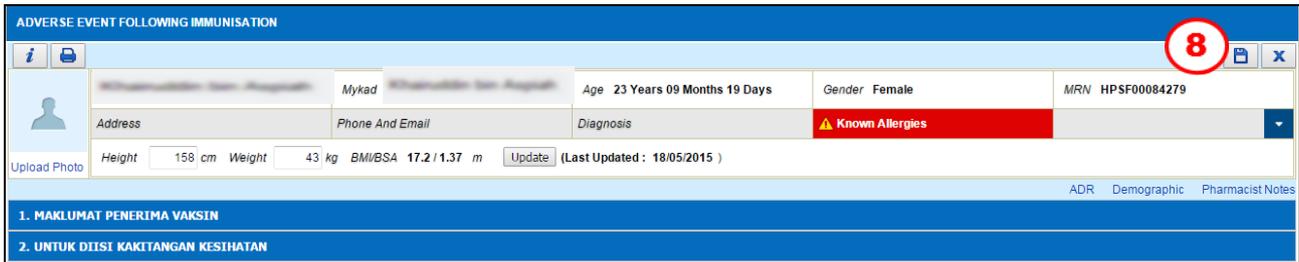
STEP 6

Enter the information in Diisi Kakitangan Kesihatan section based on 2 sub sections below:

- i. Maklumat vaksin digunakan
 - a) Jenis vaksin
 - b) Jenama vaksin
 - c) No Kelompok
 - d) Tarikh Luput
- ii. Maklumat kakitangan kesihatan Yang Memberi Vaksin
 - a) Nama
 - b) Alamat tempat bertugas
 - c) No telefon
 - d) Tarikh Laporan

STEP 7

Click on the checkbox 'Click here to confirm the record' to complete the report



ADVERSE EVENT FOLLOWING IMMUNISATION

Mykad: [Redacted] Age: 23 Years 09 Months 19 Days Gender: Female MRN: HPSF00084279

Address: [Redacted] Phone And Email: [Redacted] Diagnosis: [Redacted] **Known Allergies**

Height: 158 cm Weight: 43 kg BMI/BSA: 17.2 / 1.37 m Update (Last Updated: 18/05/2015)

ADR Demographic Pharmacist Notes

1. MAKLUMAT PENERIMA VAKSIN
2. UNTUK DIISI KAKITANGAN KESIHATAN

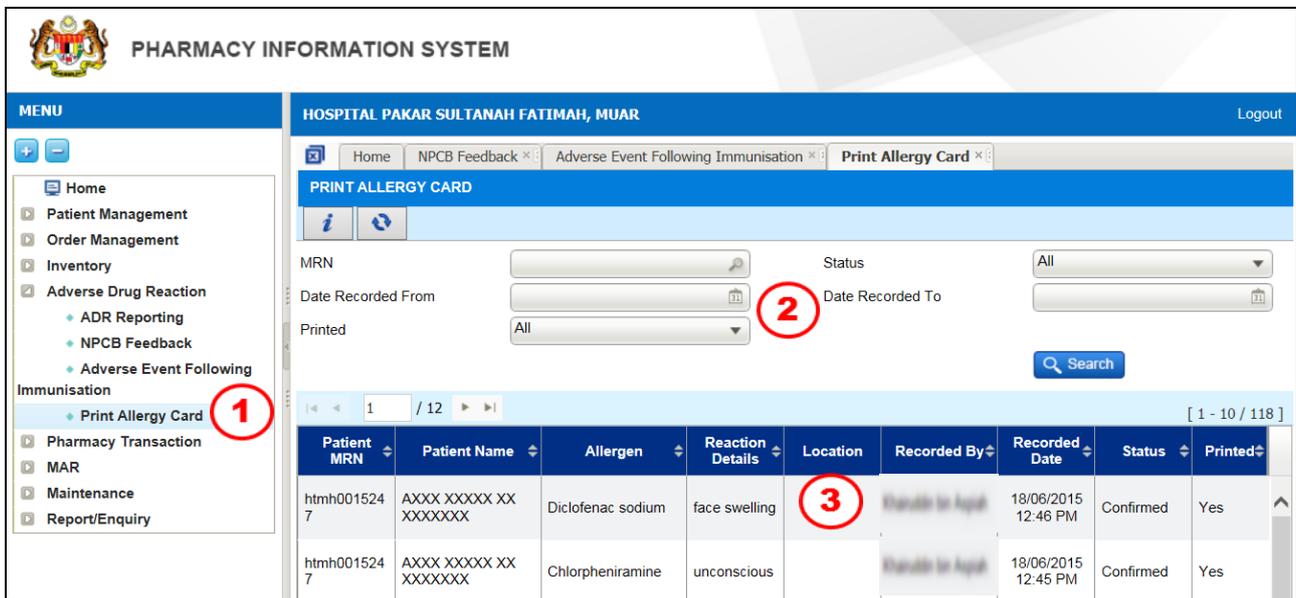
Figure 3.3.1-5 Save Record

STEP 8

Click on the  button to save all the information

3.4 Print Allergy Card

The function of this menu is to print an allergy card for the patient



PHARMACY INFORMATION SYSTEM

HOSPITAL PAKAR SULTANAH FATIMAH, MUAR Logout

Home NPCB Feedback Adverse Event Following Immunisation Print Allergy Card

PRINT ALLERGY CARD

MRN: [Input Field] Status: All

Date Recorded From: [Input Field] Date Recorded To: [Input Field]

Printed: All

Search

1 / 12 [1 - 10 / 118]

Patient MRN	Patient Name	Allergen	Reaction Details	Location	Recorded By	Recorded Date	Status	Printed
htmh0015247	AXXX XXXXX XX XXXXXXX	Diclofenac sodium	face swelling		[Redacted]	18/06/2015 12:46 PM	Confirmed	Yes
htmh0015247	AXXX XXXXX XX XXXXXXX	Chlorpheniramine	unconscious		[Redacted]	18/06/2015 12:45 PM	Confirmed	Yes

Figure 3.4-1 Print Allergy Card Listing Page

STEP 1

Select on 'Adverse Drug Reaction' menu followed by 'Print Allergy Card' sub menu

STEP 2

Search for the patient by below criteria:

No	Field	Description	Remark
a	MRN	Patient MRN	Allow to search patient by full or partial MRN No
b	Status	<ul style="list-style-type: none"> - All - Confirmed - Pending for Confirmation - To Print 	<ul style="list-style-type: none"> - All - Allow to search records by status Confirmed, Pending for Confirmation and To Print - Confirmed - Allow to search records of patients with confirmed drug allergy - Pending For Confirmation - Allow to search records of patient with drug allergy that is pending confirmation - To Print - Allow to search records of patient with confirmed drug allergy where allergy cards is not printed yet
c	Date Occurance From	-	Allow to search date before current date
d	Date Occurance To	-	Allow to search date later than date on Date Occurance From field

Click on the  button and the system will display all related records

STEP 3

Double-click on record then select the checkbox as shown in Figure 3.4-1

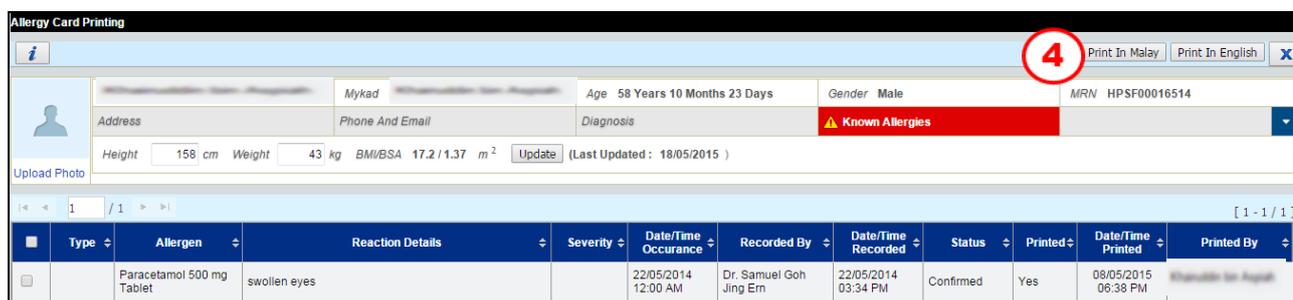


Figure 3.4-2 Selected Patient

Select to print the card in Malay or English by clicking on one of the below button:



System will display as shown in Figure 3.4-3.

Note:

- Only confirmed and suspected allergen will be displayed on the card.
- User may need to use yellow paper to print the Drug Allergy Card.

No. Siri : DAC-11-01060015-00016514	
Kad Alahan Ubat	
Nama : SALAM BIN ABU BAKAR	
No. K/P : 560831016093	
Nama Ubat	Reaksi Alahan
1. Paracetamol	swollen eyes

Peringatan

Sila bawa dan tunjukkan kad ini semasa mendapatkan rawatan atau bekalan ubat-ubatan

Pemberitahuan: Kad ini adalah untuk maklumat dan panduan sahaja, Kementerian Kesihatan Malaysia tidak bertanggungjawab atas sebarang penyalahgunaan yang melibatkan kad ini.

Tarikh kad dikeluarkan: 23/07/2015 05:24

Dikeluarkan Oleh: Hospital Pakar Sultanah Fatimah, Muar
Kementerian Kesihatan Malaysia

Figure 3.4-3 Allergy Card Sample

4.0 Acronyms

Abbreviation	Definition
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
MOH	Ministry Of Health
MRN	Medical Record Number
ADR & DAC	Adverse Drug Reaction and Drug Allergic Card

5.0 Links to Clinical Modules

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