



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

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

<b>Version</b>	<b>: 11<sup>th</sup> Edition</b>
<b>Document ID</b>	<b>: U. MANUAL_ADR_DAC</b>



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*Reference ID : U. MANUAL\_ADR & DAC-11<sup>th</sup> E*

*Application reference: PhIS & CPS v2.3*



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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
- NPRA Feedback
- Adverse Event Following Immunisation
- Print Allergy Card

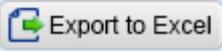
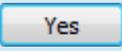
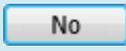
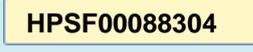
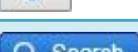
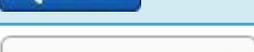
### 1.3 Organised Sections

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	<input type="text"/>	Empty Text Box
*	Mandatory Field		



ADR & DAC Module Legend			
<a href="#">Print In Malay</a>	Print DAC card in Malay	<a href="#">Causality Grading</a>	Causality Grading Guide
<a href="#">Print In English</a>	Print DAC card in English	<a href="#">WHO Terminology Guide</a>	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

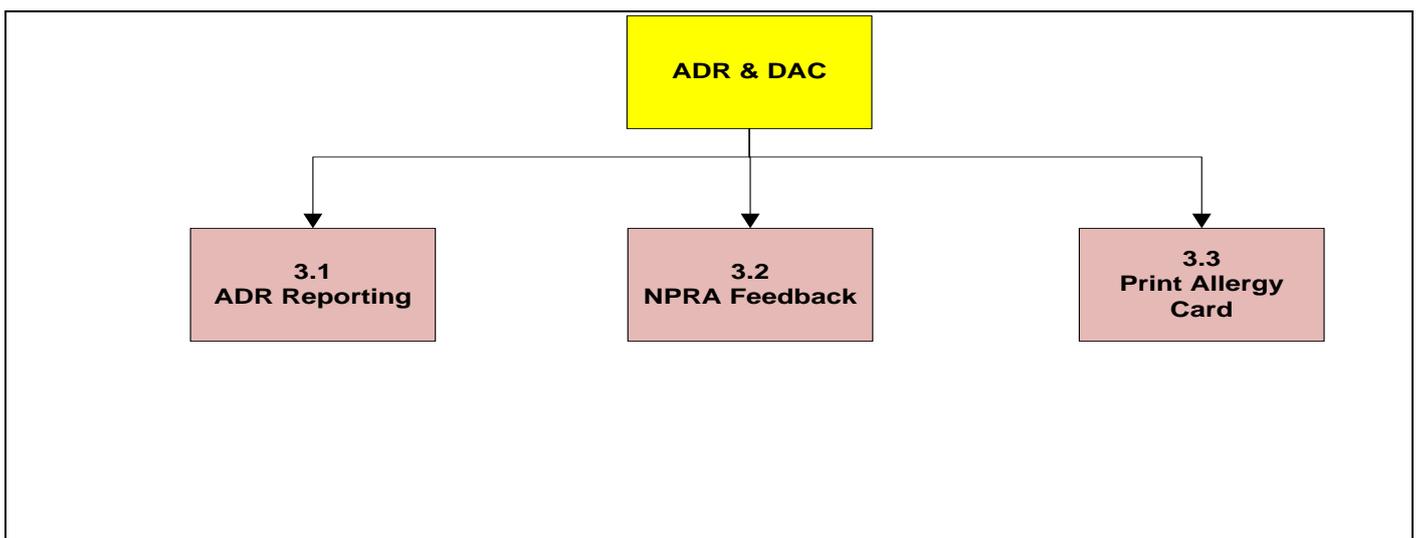


Figure 3.0

#### 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.
- **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

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

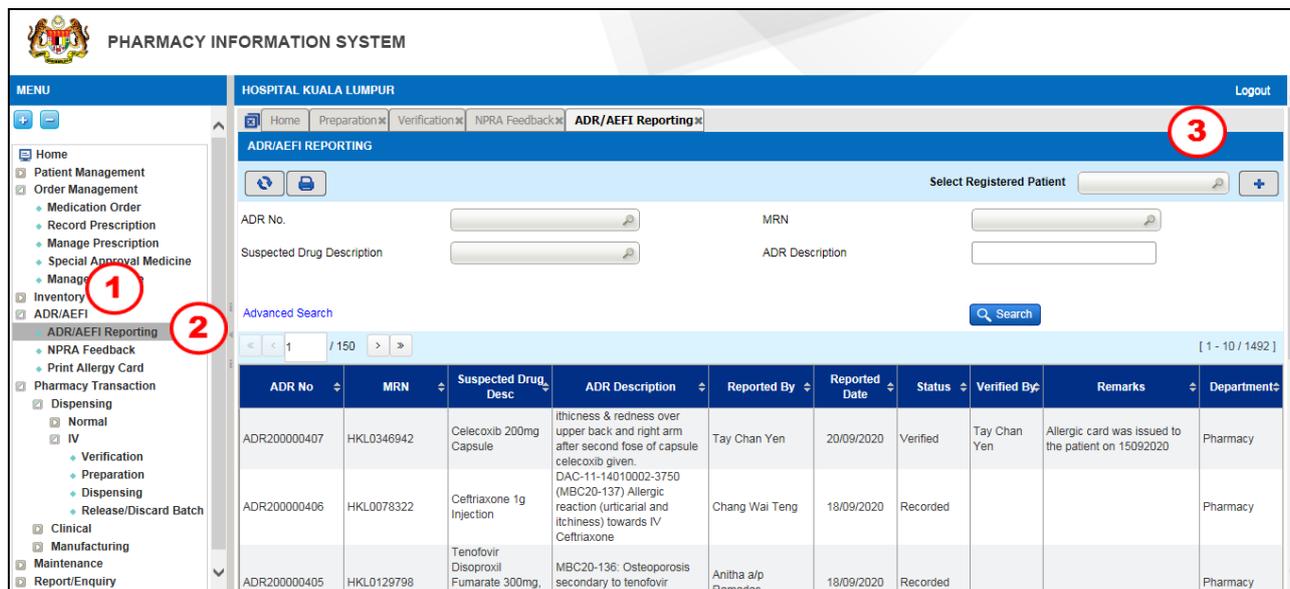


Figure 3.1-1 ADR Reporting Listing Page

**Note**

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

**STEP 1**

Click on 'ADR/AEFI' menu

**STEP 2**

Click on 'ADR/AEFI Reporting' sub-menu

**STEP 3**

Click on the button to search for patient record

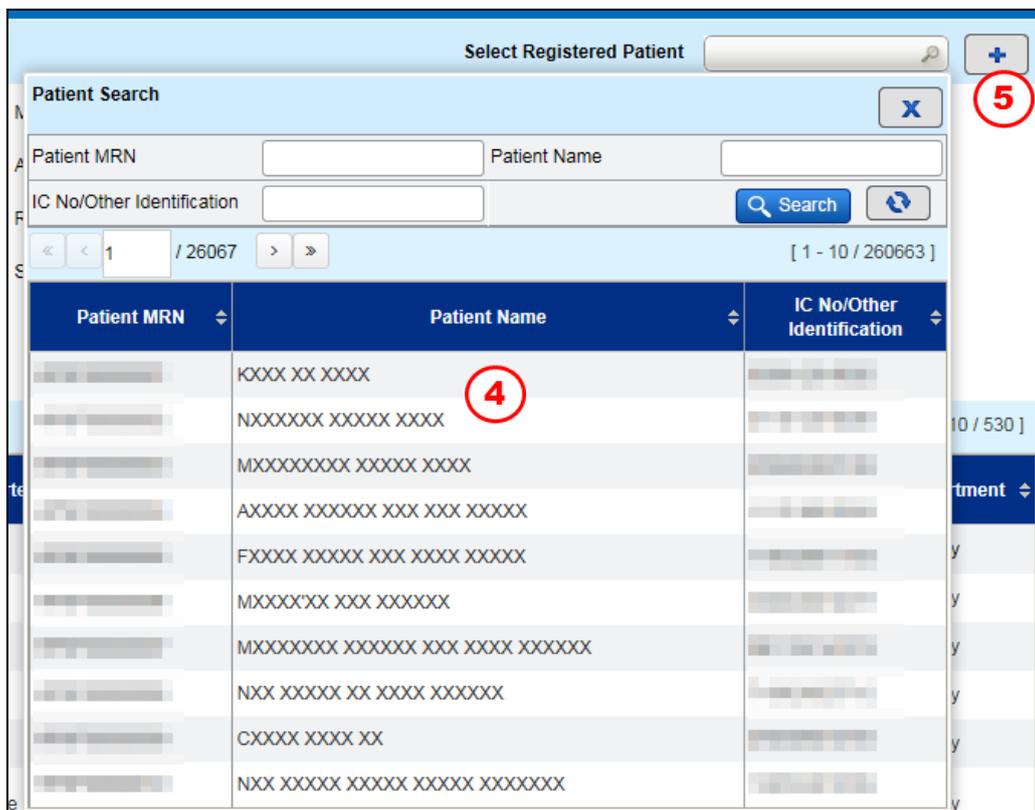
**Note**

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	Reported By	User Login Name	Allow to search by full or partial User Login Name
k	Status	– All	– All - Allow to search for records by status

		<ul style="list-style-type: none"> <li>- Confirmed</li> <li>- Verify</li> <li>- Recorded</li> </ul>	<ul style="list-style-type: none"> <li>Confirmed, Verify and Recorded</li> <li>- Confirmed - Allow to search for records that have been confirmed</li> <li>- Verify - Allow to search for records that are verified but not yet confirmed</li> <li>- Recorded - Allow to search for records that are not yet verified and confirmed</li> </ul>
l	Department	-	Allow to search by full or partial department name in facility

**Table 3.1**



**Figure 3.1-2 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

ADR/AEFI REPORTING

[i](#)
[Print](#) [Close](#)

	Age 69 Years 09 Months 05 Days	Gender Male	MRN HKL0000001
Address	Phone And Email	Diagnosis	Known Allergies

Height  cm Weight  kg BMI/BSA 20.1 / 1.8 m<sup>2</sup>  (Last Updated : 14/07/2020 ) Nationality : Warganegara

[Medication Profile](#) | [ADR/AEFI](#) | [Demographic](#)

1. ADR/AEFI DETAILS

Adverse reaction description

[User Guide for ADR/AEFI Reporting via PhIS](#)      [Mild AEFI Terminology Guide](#)

Race <input style="width: 100%;" type="text" value="Bajau"/> Please classify for skin reaction <input type="checkbox"/> Skin Reaction	Reaction start date <input style="width: 100%;" type="text" value="01/11/2020"/> Reaction end date <input style="width: 100%;" type="text"/> Time-to-onset of reaction <input style="width: 50px;" type="text" value="1"/> Hours	Extent of reaction <input style="width: 100%;" type="text" value="1 = Mild"/> Action taken with suspected drug <input style="width: 100%;" type="text" value="1 = Drug Withdrawn"/> Reaction subsided after action taken with suspected drug <input style="width: 100%;" type="text" value="1 = Yes"/> Reaction reappeared after reintroducing suspected drug <input style="width: 100%;" type="text" value="3 = Unknown"/> Relatedness of suspected drug to reaction(s) <input style="width: 100%;" type="text" value="2 = Probable"/>
Treatment of adverse reaction <input style="width: 100%;" type="text" value="IV HYDROCORTISONE 100MG STAT"/> Outcome <input style="width: 100%;" type="text" value="2 = Recovering/Resolving"/> Seriousness <input style="width: 100%;" type="text" value="No"/>	WHO Causality Categories/Naranjo Algorithm	

Figure 3.1-3 ADR Details Information

**STEP 6**

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

- a) **Adverse Reaction Description.**
- b) **Reaction Start Date**
- c) **Reaction End Date**
- d) **Time To Onset of Reaction**
- e) **Treatment of Adverse Reaction**
- f) **Outcome**
- g) **Seriousness**
- h) **Extent of Reaction**
- i) **Action Taken With Suspected Drug**
- j) **Reaction Subsided after action taken with suspected drug**
- k) **Reaction Reappeared after reintroducing suspected drug**
- l) **Relatedness of suspected drug to reaction(s)**

**Note**

- **Please Classify for Skin Reaction** is an optional
- **Reaction end date** is not mandatory
- User can refer [User Guide for ADR/AEFI Reporting via PhIS](#) and [Mild AEFI Terminology Guide](#) from the link to enter the information in the field '**Adverse Reaction Description**'
- **Race** field is retrieved from patient registration.
- If "Yes" is selected for '**Seriousness**' from drop down box, another drop down box will appear with the following:
  - Results In Death (if this is selected, another field will appear and user need to fill in the information of **Date of Birth, Was Autopsy Done, Autopsy Determined Cause of Death and Cause of Death**)
  - Life Threatening
  - Hospitalization/Prolong Hospitalization
  - Disability/Incapacity
  - Birth Defect

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Figure 3.1-4 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 3.1-4. Select the checkbox and click on the  button to save the record.

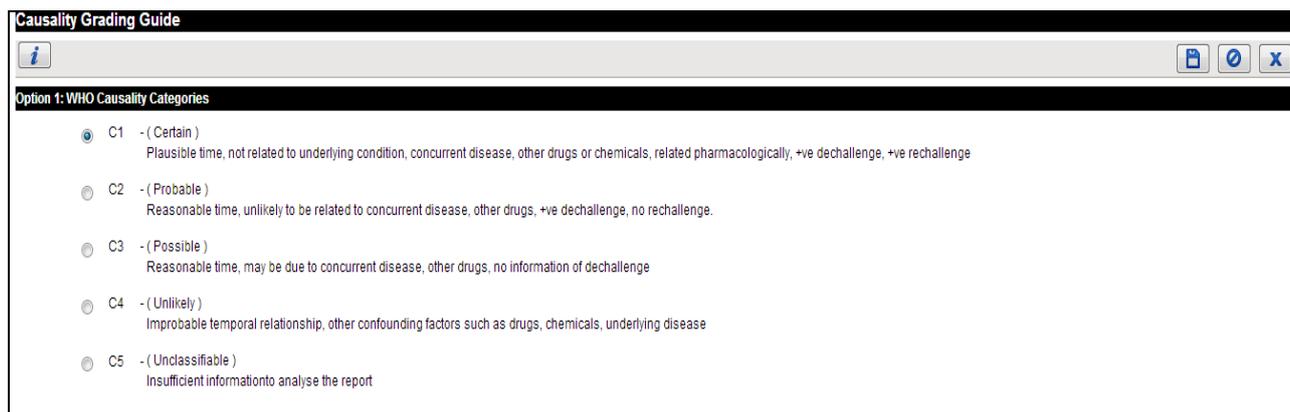


Figure 3.1-5 WHO Causality Grading

**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 3.1-5 and Figure 3.1-6.
- Results selected from WHO Causality Grading will be displayed at the Drug Relationship field.

**Option 2: Naranjo Algorithm**

1. Are there previous conclusive reports on this reaction? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	2. Did the adverse event appear when the suspected drug was administered? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
3. Did the adverse reaction improve when the drug was discontinued or a specific antagonist was administered? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	4. Did the adverse reaction reappear when the drug was readministered? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
5. Are there alternative causes (other than the drug) that could on their own have caused the reaction? <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Unknown	6. Did the reaction reappear when a placebo was given? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
7. Was the drug detected in the blood (or other fluids) in concentrations known to be toxic? <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Unknown	8. Was the reaction more severe when the dose was increased, or less severe when the dose was decreased? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
9. Did the patient have a similar reaction to the same or similar drugs in any previous exposure? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	10. Was the adverse event confirmed by any objective evidence? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

Score 6

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

**Figure 3.1-6 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

**ADR/AEFI REPORTING**

 LXX XX XXXX Mykad 510130105493 Age 69 Years 09 Months 05 Days Gender Male MFRN HKL0000001  
Address Phone And Email Diagnosis **Known Allergies**

Height 180 cm Weight 65 kg BMI/BSA 20.1 / 1.8 m<sup>2</sup>  (Last Updated : 14/07/2020 ) Nationality : Warganegara

[Medication Profile](#) | [ADR/AEFI](#) | [Demographic](#)

**1. ADR/AEFI DETAILS**

**2. DRUG DETAILS**  

< < 1 / 1 > >

MDC	Product/Generic Name	Drug Type	Dose	Frequency	Route	Manufacturer	Product Reg No.	Brand	Therapy Start Date	Therapy End Date	Th Date Remark
No Record Found											

**3. OTHER DETAILS**

Release/Discard Batch	ADR#	MRN	Drug	Reaction (organ and itchy/itchiness) towards IV Ceftriaxone	Chang Wan Peng	Hospital	Recorded	Pharmacy
Clinical			Injection					

**Figure 3.1-7 Drug Details**

**STEP 7**

Click on the  button as shown in Figure 3.1-7 and 'Add Drug Detail' screen will be displayed as shown in Figure 3.1-8

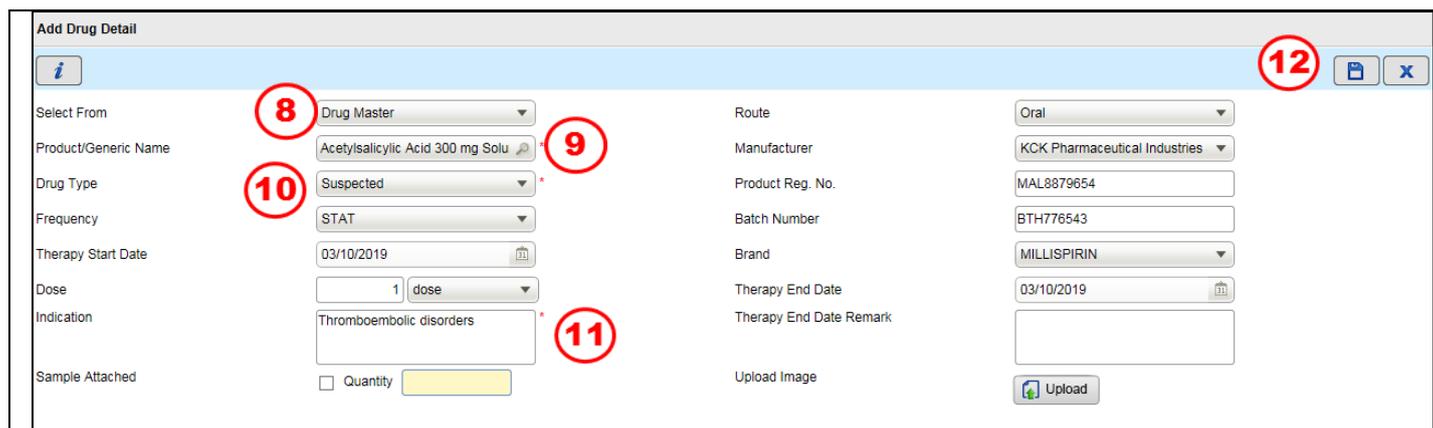


Figure 3.1-8 Add Drug Details

### 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

### STEP 10

Select and enter from Drug Type drop down box:

- Concomitant
- Interaction
- Suspected

### STEP 11

Enter **Indication**

### Note

- *Enter the other optional field if applicable*
  - a) **Frequency**
  - b) **Therapy Start Date**
  - c) **Total daily dosage given**
  - d) **Route**
  - e) **Manufacturer**
  - f) **Product Reg No**
  - g) **Batch No**
  - h) **Brand**
  - i) **Therapy End Date**
  - j) **Therapy End Date Remarks**
  - k) **Sample Attached**
  - l) **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.

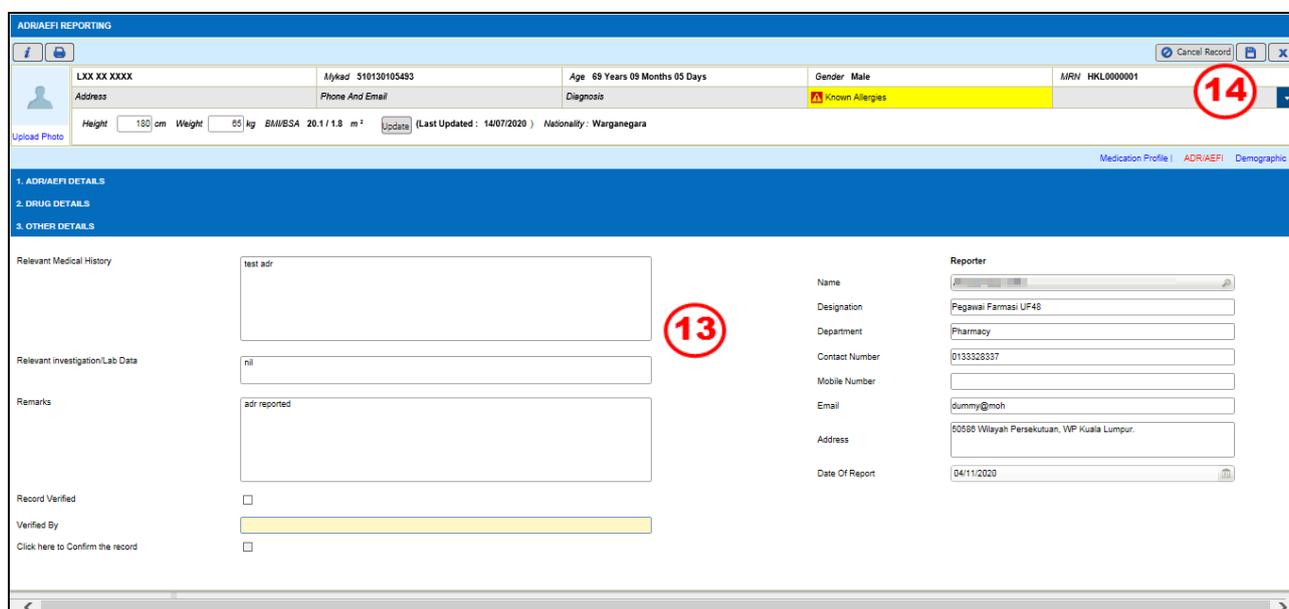
- Click on the **Upload** button to upload the image of the drug if available.

### STEP 12

Click on the  button to save the record

#### Note

User is allowed to add same drug with different dosage, frequency or route



The screenshot shows the 'ADRIA/EFI REPORTING' interface. At the top, there are navigation icons and a 'Cancel Record' button. Below this is a patient information section with fields for Mykad (510130105493), Age (69 Years 09 Months 05 Days), Gender (Male), and IIRN (HKL000001). A red circle with the number 14 highlights the 'Known Allergies' field. Below the patient information is a section for '1. ADR/AEFI DETAILS', '2. DRUG DETAILS', and '3. OTHER DETAILS'. The '3. OTHER DETAILS' section contains several fields: 'Relevant Medical History' (with a text area containing 'test adr'), 'Relevant investigation/Lab Data' (with a text area containing 'nil'), 'Remarks' (with a text area containing 'adr reported'), 'Record Verified' (checkbox), 'Verified By' (text area), and 'Click here to Confirm the record' (checkbox). A red circle with the number 13 highlights the 'Remarks' field. To the right of these fields is a 'Reporter' section with fields for Name, Designation (Pegawai Farmasi UF48), Department (Pharmacy), Contact Number (0133328337), Mobile Number, Email (summy@moh), Address (05080 Wilayah Persekutuan, WP Kuala Lumpur), and Date Of Report (04/11/2020).

Figure 3.1-9 Other Details

### STEP 13

Enter the information for below if applicable:

- Relevant Medical History**
- Relevant investigation Lab Data**
- Remarks**
- Mobile Number**
- Date Of Report**

#### Note

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

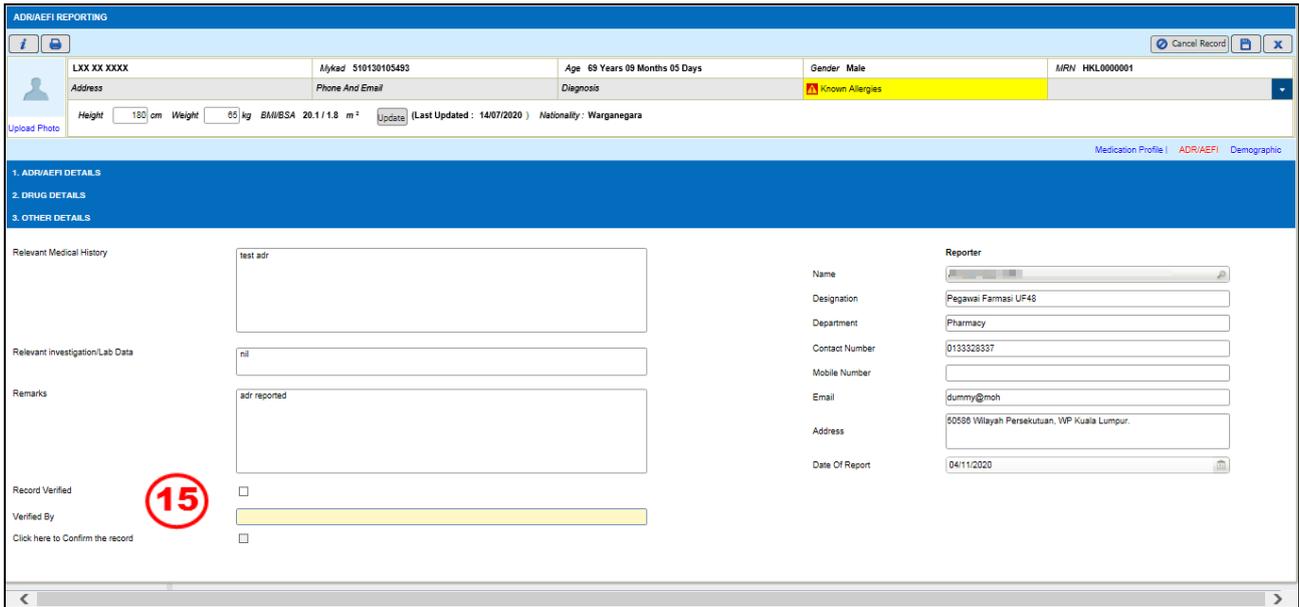
- Name**
- Designation**
- Department**
- Contact Number**
- Email**
- Address**

### STEP 14

Click on the  button to save the record

#### Note

- After save the record, Record Verified checkbox button will enable to verification process as shown in Figure 3.1-10
- User is allow to cancel the record by click on the  button



**ADR/AEFI REPORTING**

Cancel Record

LXXX XX XXXX Mykad 510130105493 Age 69 Years 09 Months 05 Days Gender Male MRN HKL0000001

Address Phone And Email Diagnosis Known Allergies

Height 180 cm Weight 85 kg BMI/BSA 20.1 / 1.8 m<sup>2</sup> Update (Last Updated : 14/07/2020 ) Nationality: Warganegara

Medication Profile | ADR/AEFI | Demographic

**1. ADR/AEFI DETAILS**

**2. DRUG DETAILS**

**3. OTHER DETAILS**

Relevant Medical History test adr

Relevant investigation/Lab Data nil

Remarks adr reported

Record Verified  **15**

Verified By

Click here to Confirm the record

Reporter

Name

Designation Pegawai Farmasi UF48

Department Pharmacy

Contact Number 0133328337

Mobile Number

Email dummy@moh

Address 50588 Wilayah Persekutuan, WP Kuala Lumpur.

Date Of Report 04/11/2020

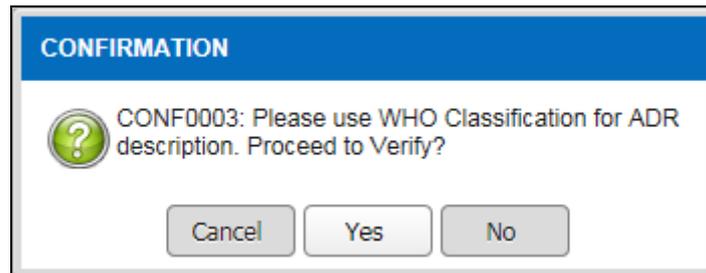
Figure 3.1-10 ADR Reporting

**STEP 15**

Click on the **Record Verified**  checkbox

**Note**

- Confirmation Message will displayed as Figure 3.1-11



**CONFIRMATION**

CONF0003: Please use WHO Classification for ADR description. Proceed to Verify?

Cancel Yes No

Figure 3.1-11 Confirmation Message

- Click on the  button to proceed for verification
- Verified By** field will be auto display verification person name as shown in Figure 3.1-12

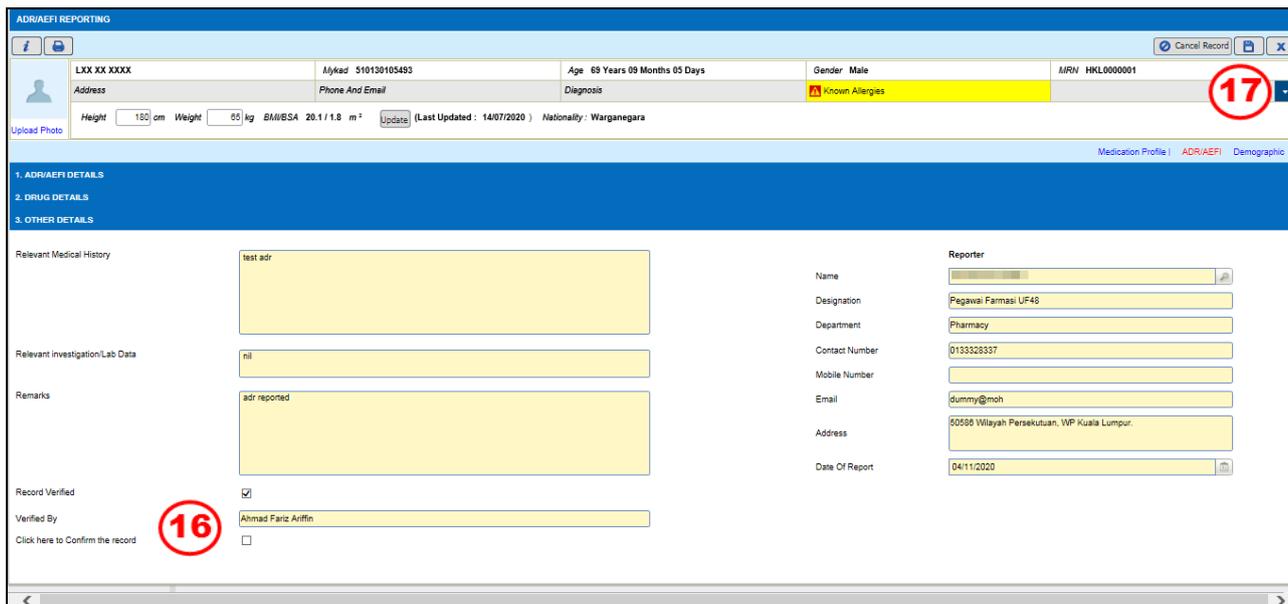


Figure 3.1-12 ADR Reporting

**STEP 16**

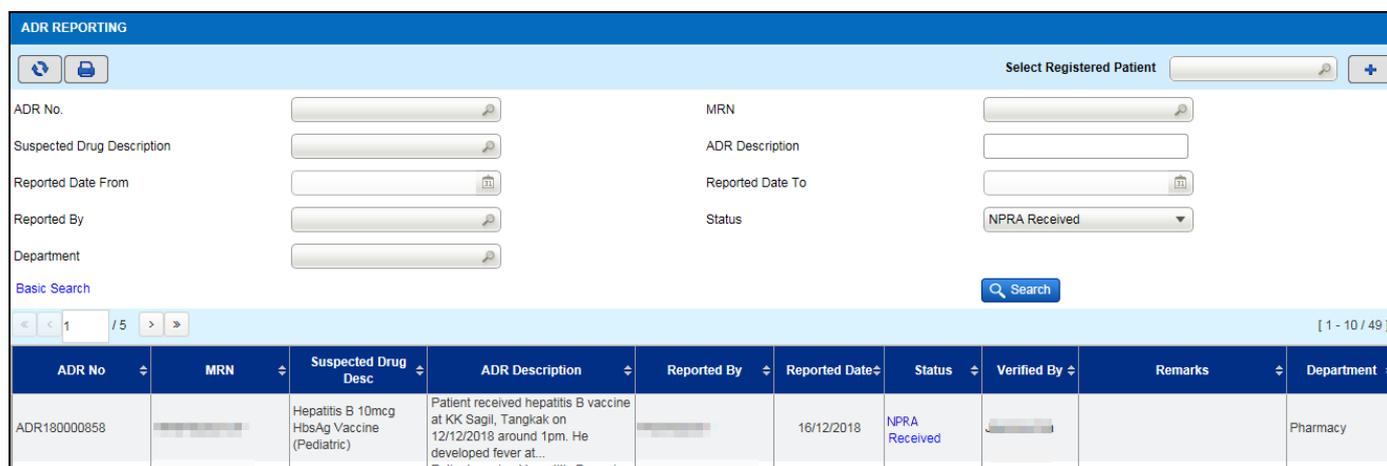
Click on the **Click here to Confirm the record**  checkbox to confirm the ADR Reporting record

**STEP 17**

Click on the  button to save and the record will be send automatically to NPRA

**Note**

- Status for ADR Reporting will be change to **NPRA Received** for record that successfully send to NPRA and user can view the status at the ADR Reporting Listing Page as shown in Figure 3.1-13



ADR No	MRN	Suspected Drug Desc	ADR Description	Reported By	Reported Date	Status	Verified By	Remarks	Department
ADR18000858		Hepatitis B 10mcg HbsAg Vaccine (Pediatric)	Patient received hepatitis B vaccine at KK Sagil, Tangkak on 12/12/2018 around 1pm. He developed fever at...		16/12/2018	NPRA Received			Pharmacy

Figure 3.1-13 NPRA Received

- if the record fail to send ADR record, Information Message will be displayed as shown in Figure 3.1-13

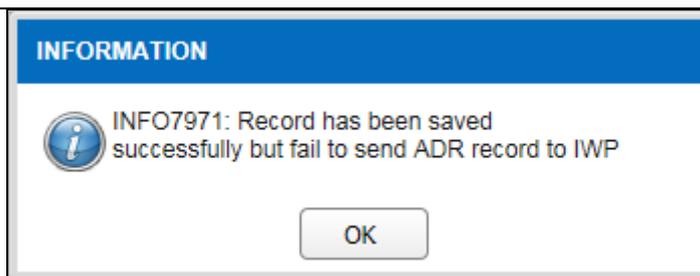


Figure 3.1-13 Information Message

- Button *Send to Integration*  will be enable at ADR Reporting screen for user to click and resend the record to NPRA as shown in Figure 3.1-14



Figure 3.1-14 ADR Reporting - Send to Integration

- ADR Record that already got a feedback from NPRA, user can view the information in the ADR Listing Page where the status is **Feedback Received** as shown in Figure 3.1-15

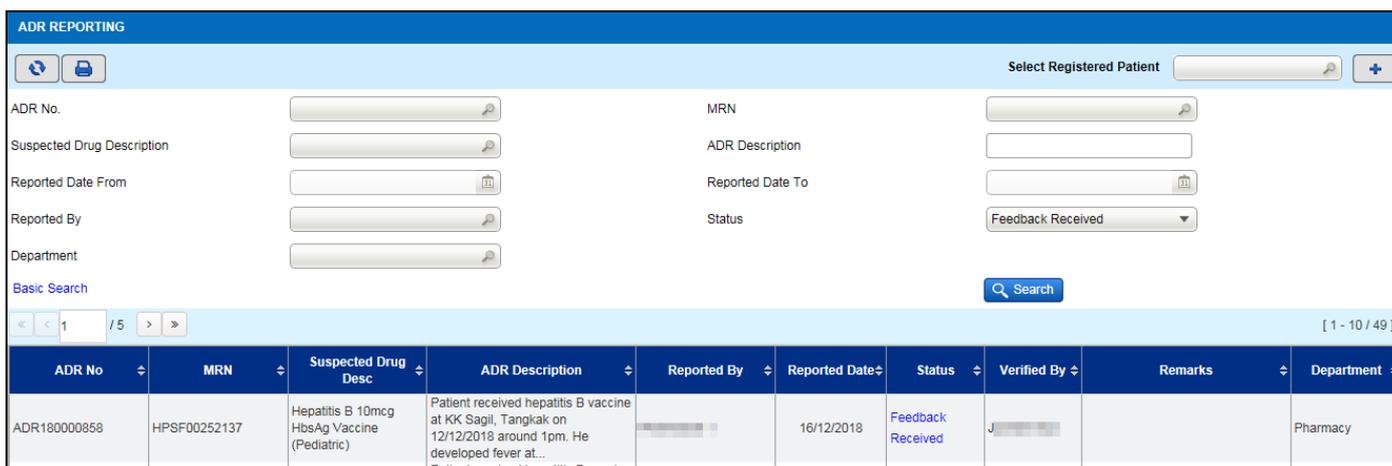


Figure 3.1-15 NPR A Feedback

- Click on the status *Feedback Received* hyperlink and NPR A Feedback screen will be shown in Figure 3.1-16

**NPRA FEEDBACK**

*i* X

ADR No:  \*      NPRA Report No:  \*

Feedback Date:  \*      Casual Grading by Facility:

Status:

1 / 1      [ 1 - 2 / 2 ]

Characterisation	Product Name	Active Ingredient	ADR Terminology	Relatedness
Suspected	EUVAX-B INJECTION 20MCG/1.0ML	HEPATITIS B VIRUS	Pyrexia	Probable
Suspected	EUVAX-B INJECTION 20MCG/1.0ML	HEPATITIS B VIRUS	Loose stools	Probable

Figure 3.1-16 NPRA Feedback

*i* Cancel Record X

**18**

CXXX XXXX XXX      Mykad: [REDACTED]      Age: 34 Years 01 Months 02 Days      Gender: Male      MRN: [REDACTED]

Address: [REDACTED]      Phone And Email: [REDACTED]      Diagnosis: [REDACTED]

Height:  cm      Weight:  kg      BMI/BSA:  m<sup>2</sup>      (Last Updated: )      Nationality: Warganegara

Upload Photo

ADR Demographic

1. ADR DETAILS  
2. DRUG DETAILS  
3. OTHER DETAILS

Figure 3.1-17 Print ADR Report

**STEP 18**

Click on the  button to print the ADR Report



<b>REPORT ON SUSPECTED ADVERSE DRUG REACTION/AEFI</b>									
<b>NATIONAL CENTRE FOR ADVERSE DRUG REACTION MONITORING</b>									
ADR NO : ADR200000408					www.npra.gov.my				
(Please report <b>all</b> suspected drug reaction including those for vaccines and traditional medicines. Do not hesitate to report if some details are not known. Identities of Reporter, Patient and Institution will remain <b>Confidential</b> .)									
REPORT No ..... (for office use only)									
<b>PATIENT INFORMATION</b>									
Patient NRIC		Age		Sex	Wt (kg)	Ethnic Group		Institution	
[REDACTED]		69 Years 09 Months 05 Days		Male	65	Bajau		HOSPITAL KUALA LUMPUR	
<b>ADVERSE REACTION DESCRIPTION</b>									
test									
Skin Reaction :									
Please specify Part of Body Affected :									
Time-to-onset of reaction :		1 Hours		Reaction start date :		01/11/2020		Reaction end date :	
Action taken with suspected drug : 1 = Drug Withdrawn									
Reaction subsided after action taken with suspected drug :				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>			
Reaction reappeared after reintroducing suspected drug :				Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not applicable <input checked="" type="checkbox"/>			
Extent of reaction :				Mild <input checked="" type="checkbox"/>	Moderate <input type="checkbox"/>	Severe <input type="checkbox"/>			
Treatment of adverse reaction & action taken		IV HYDROCORTISONE 100MG STAT							
Outcome :		Recovered <input type="checkbox"/>	Recovering <input checked="" type="checkbox"/>	Recovered With Sequelae <input type="checkbox"/>	Not Recovered <input type="checkbox"/>	Unknown <input type="checkbox"/>			
Seriousness:		Life <input type="checkbox"/>	Hospitalization/Prolonged Hospitalization <input type="checkbox"/>	Disability / Incapacity <input type="checkbox"/>	Birth Defect <input type="checkbox"/>	Results In Death <input type="checkbox"/>	Date of death		
Relatedness of suspected drug to reaction(s) :		Certain <input type="checkbox"/>	Probable <input checked="" type="checkbox"/>	Possible <input type="checkbox"/>	Unlikely <input type="checkbox"/>	Unclassifiable <input type="checkbox"/>			
<b>Suspected Drug :</b>									
Products/Generic Name	Dose	Route	Frequency	Manufacturer	Product Reg. No.	Batch No.	Therapy Dates		Indication
							Start	End	
Miconazole 2% Oral Gel	1 app	Submucosal	OD (once daily)				01/11/2020	04/11/2020	test
<b>Concomitant Drug :</b>									
<b>Interaction Drug :</b>									
** Please attach further papers if necessary									
<b>Relevant Investigations/Laboratory Data</b>					<b>Relevant Medical History</b>				
nil					test adr				
<b>Reporter</b>									
Name:		Address : 50585 Wilayah Persekutuan, WP Kuala Lumpur.							
Designation : Pegawai Farmasi UF48		Tel No : [REDACTED]							
Email Address : dummy@moh		Date of Report : 04/11/2020				Signature :			
Submission of a report does not constitute an admission that medical personnel or the product caused or contributed to the reaction. Thank you for reporting.									

Figure 3.1-18 ADR Report

### 3.2 NPRA Feedback

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

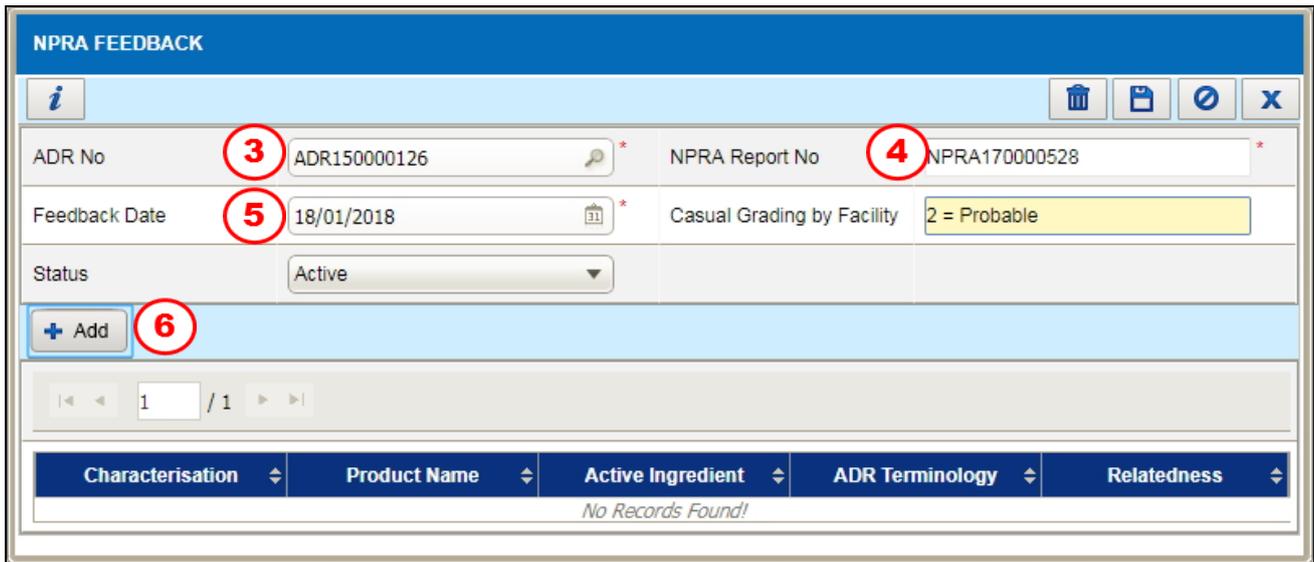
**Figure 3.2-1 NPRA Feedback**

**Note**  
Search for NPRA Feedback record by below criteria:-

No	Field	Description	Remark
a	ADR No	Search by selecting a number from ADR No	Allow user to search existing transaction based on ADR No
b	NPRA Report No	Search by entering NPRA Report No	Allow user to search existing transaction based on NPRA Report No
c	Integration with NPRA	Select from drop down menu: - All - Yes - No	All – allow to search all transaction Yes – allow to search data that synchronized from NPRA No – allow to search data recording by user

**STEP 1**  
Click on the 'ADR/AEFI' menu follow by 'NPRA Feedback' sub menu

**STEP 2**  
Click on the button and NPRA Feedback screen will be displayed as Figure 3.2-2



**NPRA FEEDBACK**

ADR No **3** ADR150000126 \* NPRA Report No **4** NPRA170000528 \*

Feedback Date **5** 18/01/2018 \* Casual Grading by Facility 2 = Probable

Status Active

**6** + Add

1 / 1

Characterisation Product Name Active Ingredient ADR Terminology Relatedness

No Records Found!

Figure 3.2-2 NPRA Feedback

**STEP 3**

Select **ADR No** from the  search button

**Note**

**Casual Grading by Facility** will auto displayed based on the value recorded in ADR Reporting

**STEP 4**

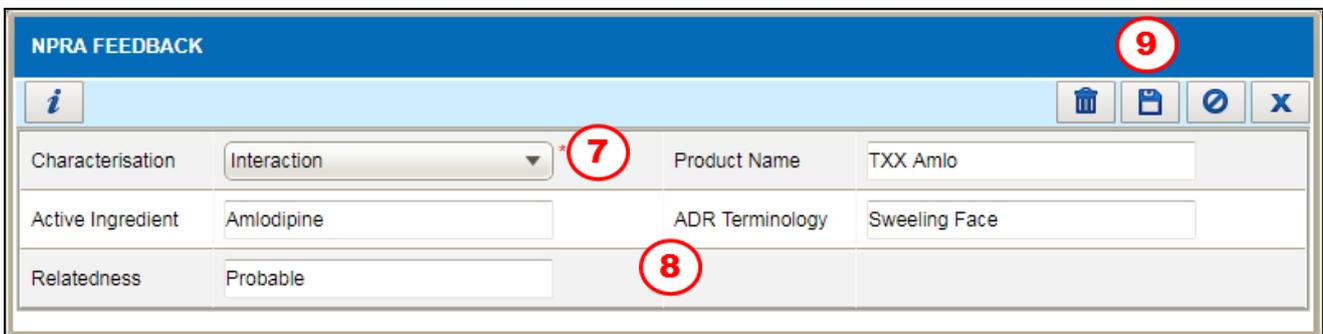
Enter **NPRA Report No**

**STEP 5**

Select **Feedback Date**

**STEP 6**

Click on the  button and NPRA Feedback screen will be displayed as Figure 3.2-3



**NPRA FEEDBACK**

Characterisation Interaction \* **7** Product Name TXX Amlo

Active Ingredient Amlodipine ADR Terminology Swelling Face

Relatedness Probable **8**

**9**

Figure 3.2-3 NPRA Feedback

**STEP 7**

Select **Characterisation** from drop down menu:

- Concomitant
- Interaction
- Suspected

**STEP 8**

Enter value in below field (if applicable):

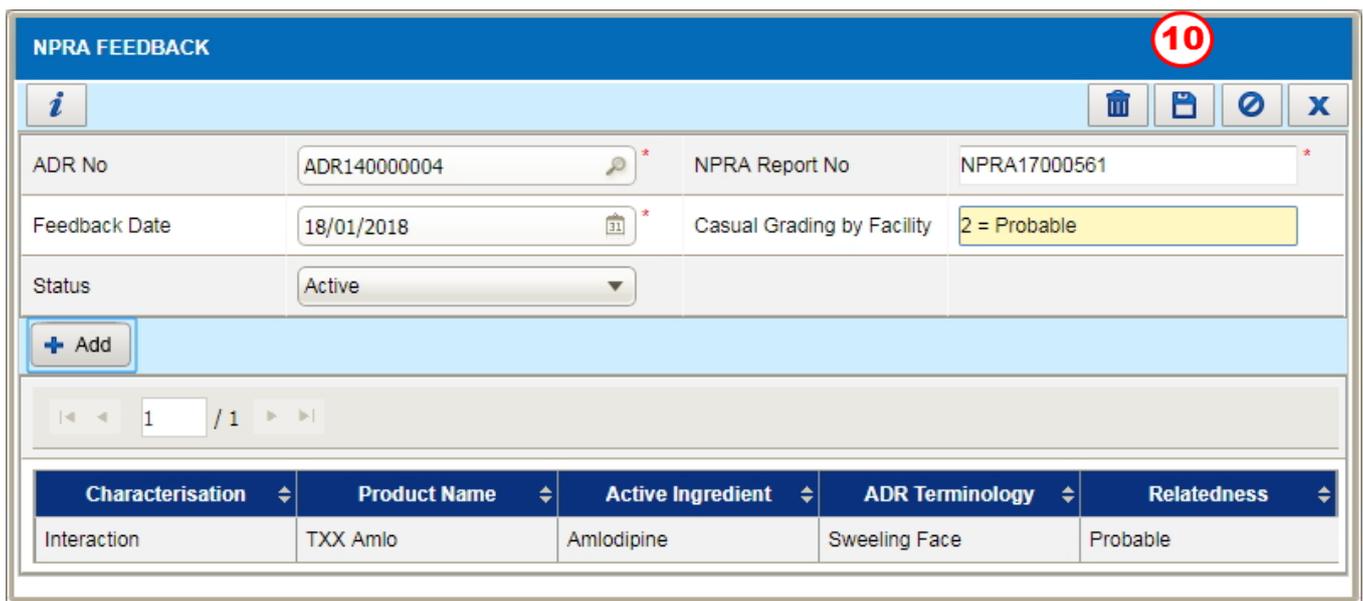
- **Active Ingredient**
- **Product Name**
- **ADR Terminology**
- **Relatedness**

**STEP 9**

Click on the  button to save the record

**Note**

Record will be updated as shown in Figure 3.2-4



The screenshot shows a web application window titled "NPRA FEEDBACK" with a red circle containing the number "10" in the top right corner. The window has a toolbar with icons for information, delete, save, refresh, and close. The form contains the following fields:

ADR No	ADR14000004	NPRA Report No	NPRA17000561
Feedback Date	18/01/2018	Casual Grading by Facility	2 = Probable
Status	Active		

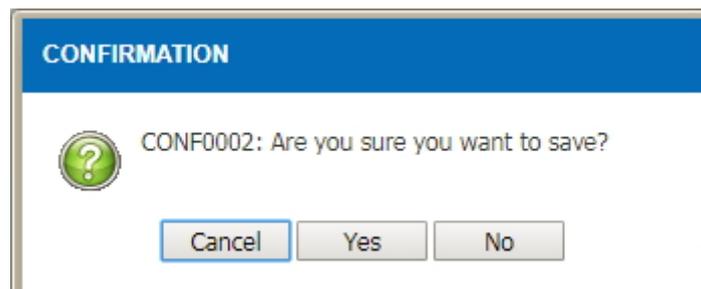
Below the form is a table with the following data:

Characterisation	Product Name	Active Ingredient	ADR Terminology	Relatedness
Interaction	TXX Aml	Amlodipine	Sweeling Face	Probable

Figure 3.2-4 NPRA Feedback

**STEP 10**

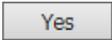
Click on the  button to save the NPRA Feedback and confirmation message will be displayed as Figure 3.2-5



The screenshot shows a "CONFIRMATION" dialog box with a question mark icon. The text inside the dialog box reads: "CONF0002: Are you sure you want to save?". At the bottom of the dialog box, there are three buttons: "Cancel", "Yes", and "No".

Figure 3.2-5 Confirmation Message

**Note**

Click on the  button so save the record

### 3.3 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:  Status: All

Date Recorded From:  Date Recorded To:

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		MOHD TAIB	18/06/2015 12:46 PM	Confirmed	Yes
htmh0015247	AXXX XXXXX XX XXXXXXX	Chlorpheniramine	unconscious		MOHD TAIB	18/06/2015 12:45 PM	Confirmed	Yes

Figure 3.3-1 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:

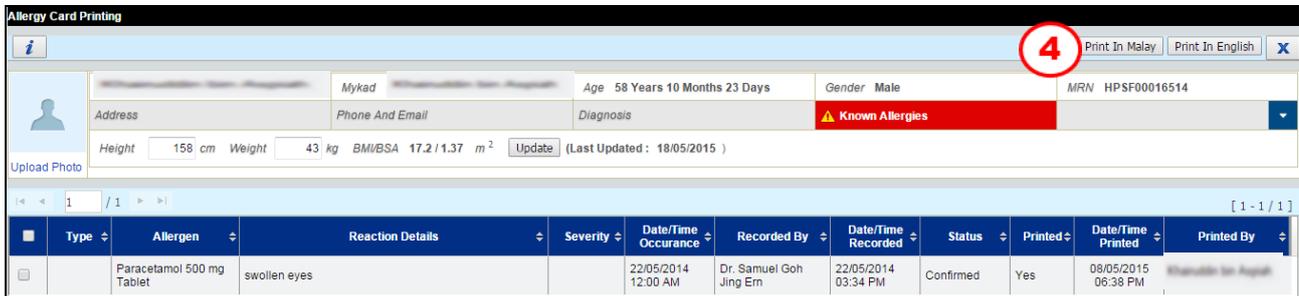
No	Field	Description	Remark
a	MRN	Patient MRN	Allow to search patient by full or partial MRN No
b	Status	<ul style="list-style-type: none"> <li>- All</li> <li>- Confirmed</li> <li>- Pending for Confirmation</li> <li>- To Print</li> </ul>	<ul style="list-style-type: none"> <li>- All - Allow to search records by status Confirmed, Pending for Confirmation and To Print</li> <li>- Confirmed - Allow to search records of patients with confirmed drug allergy</li> <li>- Pending For Confirmation - Allow to search records of patient with drug allergy that is pending confirmation</li> <li>- To Print - Allow to search records of patient with confirmed drug allergy where allergy cars is not printed yet</li> </ul>
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

Table 3.3-1

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 3.3-1



**Figure 3.3-2 Selected Patient**

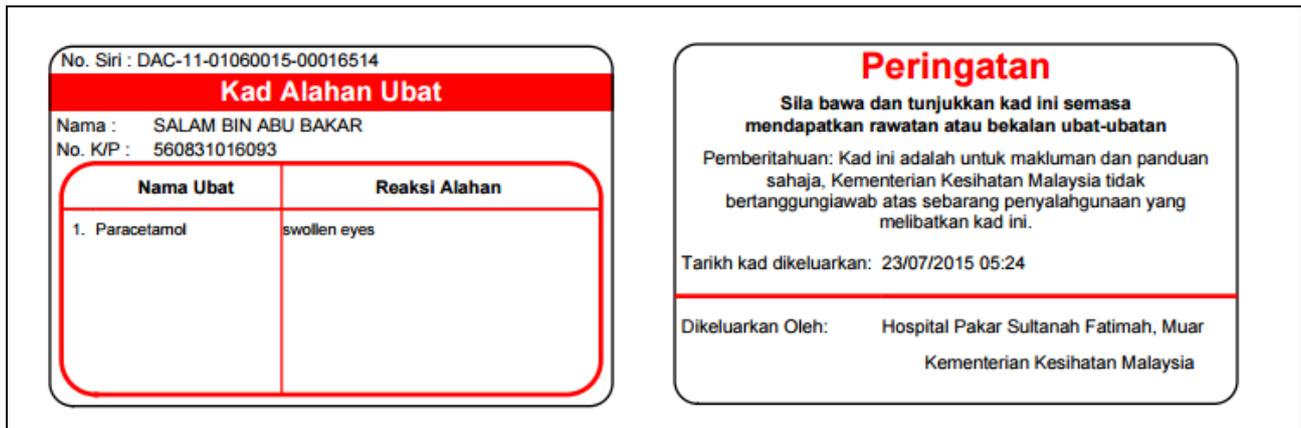
Select to print the card in Malay or English by clicking on one of the below button:



System will display as shown in Figure 3.3-3.

**Note**

- Condition to print Allergy Card is:
  - a) Allergy record with status Confirmed and Suspected
  - b) Allergen Type = Drug



**Figure 3.3-3 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>	<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		