



# Vaccines 2015

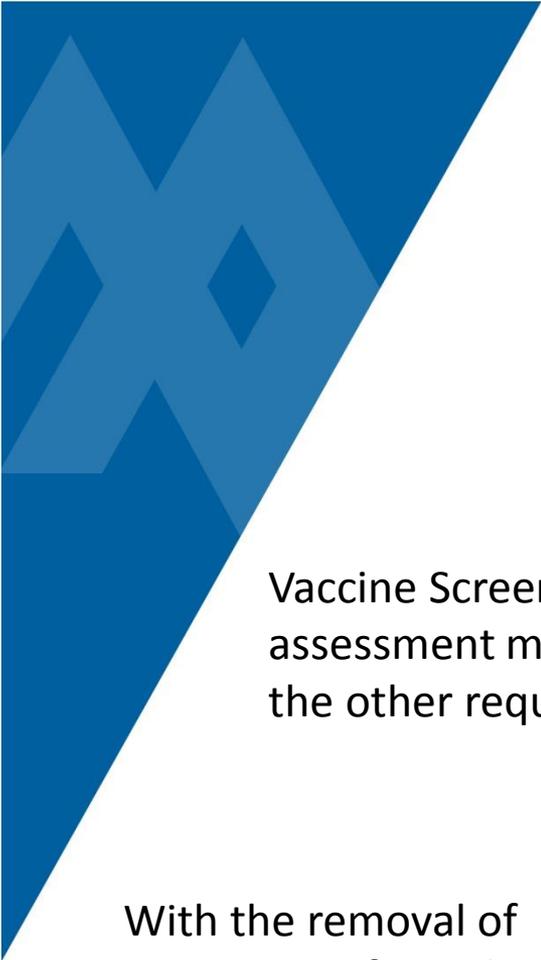




## BRIEF: Why are we making these changes?

- We are attempting to streamline and improve the ease of documentation of immunization screening.
- CMS rules for Core Measures and Meaningful Use have changed.
- Immunization information needs to be electronically transmitted to the State; improving the accuracy of the Immunization Registry.





Assessment	Last Documented
* Vaccine Screening and Update	
→* UTE Risk and Standing Order*	01/16/15 1606
→** IN Pt QUICK START ADMIT **	12/23/14 1118
***HOSPICE INPt QUICK START **	
***OBS/SDC QUICK START ADMIT**	
*CVL RECOVER QUICK START ADMT*	
ADMISSION ASSESSMENT *BH/PSY*	
ADMISSION ASSESSMENT *PEDI*	
ADMISSION ASSESSMENT***ADULT**	
ADMISSION HISTORY *ADULT*	
ADMISSION HISTORY *PSY/BH*	
ADMISSION HISTORY***PEDIATRIC*	

Vaccine Screening and Updates are now documented in one place. This assessment must be completed with every admission and has been placed with the other required Admission documents.

With the removal of Pneumovax from the formulary, we are now focusing solely on Flu Shots.

Process Patient Assessments

Current Date/Time DJW Status ADM IN Room MM.0303  
Admit 12/05/14 Bed 1  
Patient MM0000002579 RN, THIRTY Age/Sex 64 F Loc MM.3RD

VACCINE SCREEN AND UPDATE

02/11/15 1755 DJW MM0000002579 RN, THIRTY

Have you had a FLU shot this season

Approximate date Flu vaccine given to Pt

Would you like a Flu vaccine this stay

Additional information R/T FLU shot



Process Patient Assessments

Current Date/Time DJW Status ADM IN Room NM.0303  
 Admit 12/05/14 Bed 1  
 Patient NM0000002579 RN, THIRTY Age/Sex 64 F Loc NM.3RD

VACCINE SCREEN AND UPDATE

02/11/15 1755 DJW NM0000002579 RN, THIRTY

Have you had a FLU shot this season

Approximate date Flu vaccine given to Pt

Would you like a Flu vaccine this stay

Additional information R/T FLU shot

MM/DD/YY format. If the Patient does not know exact date, please estimate. For example, if the patient states "October" ask "early, mid or late" then use 10/01/YY, 10/15/YY or 10/31/YY.

- |                          |                             |
|--------------------------|-----------------------------|
| 1 N/A                    | 5 Bone marrow transplant    |
| 2 Refused                | 6 HX Guillain-Barre synd.   |
| 3 Allergic               | 9 Is current, does not want |
| 4 Sensitivity to vaccine | 10 Patient unable to answer |

Answer all questions appropriately. On screen displays provide additional guidance to complete the form.

Would you like a Flu vaccine this stay Y

If this question is answered “Y”, you will go to “Orders” when screen filed. This will load the vaccine protocol for completion.

Order Management

Ordering Provider NMDTPHY PCI TEST PHYSICIAN

Other Provider

Order Source P

OK Cancel

Enter the appropriate Provider and use order source “P” for “Protocol”

Review Patient's Orders

Wed, Feb 11

RN, TEST - 64/F NM, 3RD NM, 0305/2 Unit No:NM00000045  
ADM IN Acct No:NM0000000505

Allergies/ADRs:

Preview/Edit

Add More Add to Favorites  
Clear Unchecked Save as Set

Orders	Pri	Start/Service	Series	Directions	Qty	Details
<input checked="" type="checkbox"/> Vaccine Protocol - Influenz...		02/11 1809	0			View

Done Cancel Help

Click “Done” and complete the details of the order.



Review Patient's Orders Wed, Feb 11

**RN, TEST - 64/F** **NM.3RD NM.0305/2** **Unit No:NM00000045**  
**ADM IN** **Acct No:NM0000000505**

**Allergies/ADRs:**

**1.Must review order detail.**

Procedure Ordered  
 Vaccine Protocol - Influenza

Pri	Service Date/Time	Series	Directions	Qty
	02/11 1809	0		

**Influenza Vaccine**

- N/A: Patient has RECEIVED Influenza vaccine on:  \*
- Patient is 6 months to 35 months of age (Ped Influenza dose 0.25ml)
- Patient is 3 years of age or older (Influenza dose 0.5ml)
- Influenza Vaccine contraindicated 
  - \* Serious prior reaction to vaccine
  - \* Serious allergic reaction to eggs
  - \* History of Guillain-Barre
  - \* Patient or Parent Refusal

Refer to current Center of Disease Control Vaccine Information Statement for information

Complete the form and select the appropriate dose for the patient.

This message will indicate that the dose is ordered, click OK.

**Message**

 One order has been reflexed, modifications may be needed.



Review Patient's Orders Wed, Feb 11

RN, TEST - 64/F NM.3RD NM.0305/2 Unit No:NM00000045  
ADM IN Acct No:NM000000505

Allergies/ADRs:

Current All Session

-	Category	Orders	Pri	Date/Time	Status	Stop	My
+ Laboratory (2)							
+ Radiology (1)							
+ Other (3)							
- New Orders (2)							
	Vaccine Protocol - Influenza (MURORD)			02/11 1809	New		*
	FLU Vaccine (INFLUENZA Vaccine)			02/11 2100	New	02/11 2359	*
	IM 0.5 ML OT						

Submit

Review Order Document Sign Back

Verify that the dose has reflexed, then click "Submit"





# ADMINISTRATION OF ALL IMMUNIZATIONS IN eMAR



This is a final verification that the Patient (or Guardian) wishes to receive the vaccine.

Administration Queries

Agrees to Vaccine? \*

VIS Given Date: \* VIS Published Date: \*

Immunization Expiration: \*

Immunization Lot Number:

Immunization Manufacturer:

Immunization Series:

Administration Site:

Patient or Guardian

Go to the MMC Intranet  
Click Clinical Resource  
Go to Vaccine Sheets  
Print the needed info

The Vaccine Information Sheets (VIS) MUST be provided to the Patient for ALL vaccines administered. We have added a link to the CDC on the Intranet to ensure we have the most up-to-date versions available. Select the appropriate form, print it and give it to the Patient. The "Given Date" is today; the "Published Date" is listed on the CDC form.

MMC

Home » Clinical Resources

### Clinical Resources

- [Approved Abbreviations](#)
- [ADA Nutrition Care Manual](#)
- [Antimicrobial Stewardship Guidebook](#)
- [Clinical Pharmacology](#)
- [Infection Control and Prevention Resources](#)
- [IV Medication Administration Guide](#)
- [Lippincott's Nursing Procedures and Skills](#)
- [Medication Formulary](#)
- [Muse Web](#)
- [OB - CPN](#)
- [Skin, Wound, and Ostomy Care Nursing Reference Guide](#)
- [UpToDate MMC Portal Access](#)
- [Vaccine Information Statements - CDC Link to all documents](#)





Administration Queries

Agrees to Vaccine?  Y\*

VIS Given Date:  \*    VIS Published Date:  \*

Immunization Expiration:  \*

Immunization Lot Number:

Immunization Manufacturer:

Immunization Series:

Administration Site:

Press F9 and select appropriate manufacturer of the Vaccine to be given

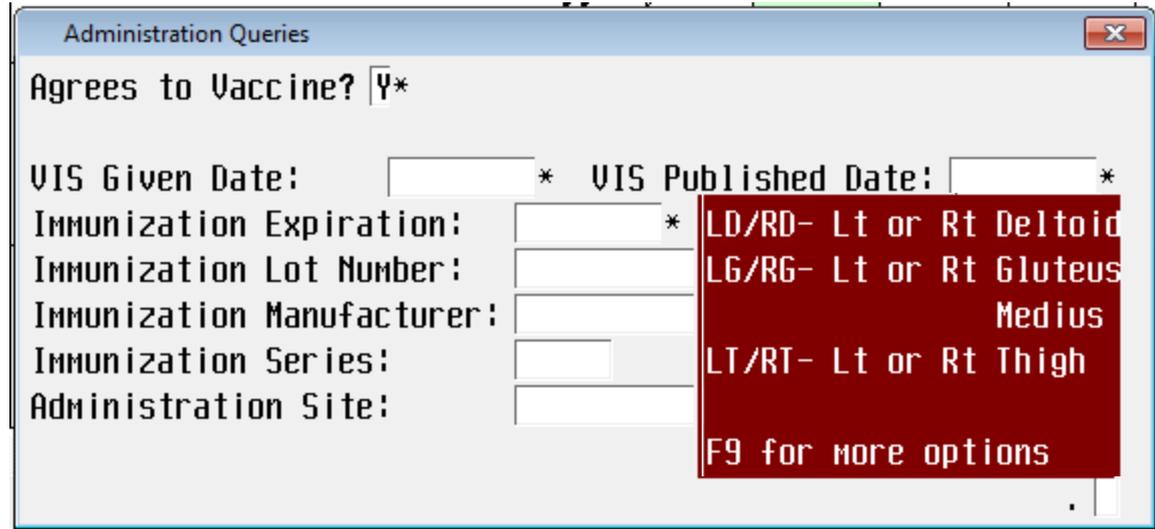
Immunization Manufacturer Lookup

Select

	Mnemonic	Responses
1	AKR	AKorn, Inc
2	BAH	Baxter Healthcare Corp
3	BTP	Biotest Pharmaceuticals
4	CRU	Crucell
5	CSL	CSL Biotherapies
6	MSD	Merck and Co., Inc.
7	NOV	Novartis Pharmaceutical
8	PFR	Pfizer, Inc
9	PMC	Sanofi Pasteur
10	SKB	GlaxoSmithKline
11	TAL	Talecris Biotherapeutics

The Expiration and Lot number will be located on the dose label. Complete these fields, then select the Manufacturer from the list.





Administration Queries

Agrees to Vaccine?  Y\*

VIS Given Date:  \*    VIS Published Date:  \*

Immunization Expiration:  \*

Immunization Lot Number:

Immunization Manufacturer:

Immunization Series:

Administration Site:

LD/RD- Lt or Rt Deltoid

LG/RG- Lt or Rt Gluteus

Medius

LT/RT- Lt or Rt Thigh

F9 for more options

The Administration site codes were prescribed by CMS. The common sites are listed on screen; additional options are available by pressing <F9>.

Once you have completed this information, press <F12> to proceed to the next screen.

Press F12 to file  
Use VAC option for  
site of admin on  
next screen.



✓	A	Start	
		Stop	
		Status	Route
	A	03/02/15 0907 04/01/15 0908 Active	Fluarix Influenza
		02/12/15 0730 03/14/15 0731 Active New Order	Heparin Heparin
	A	02/12/15 0730 03/14/15 0731 Active New Order	Heparin Heparin Per Heparin
	A	02/12/15 0730 03/14/15 0731 Active New Order	Heparin Heparin NURSE TO DOCUMENT

Edit Undo Document Rx # 0000688

Fluarix 0.5 ml Inj 0.5 ml IM D

Non-Scheduled  
 Scheduled  
 03/02/15-0907

Given  
 Not Given

Administration: 03/02/15 0944    Dose: 0.5    Units: ML  
 User: NMRNDJW    Text:    Site: VAC

Site

- RH      RIGHT HIP
- ROT     RIGHT OUTER THIGH
- RVA     RIGHT UPPER ARM
- RVG     RIGHT VENTROGLUTEAL
- VAC     See Vaccine eMAR screen

Today	
Mon	Tue
03/02	03/03
0944	0900

To prevent contradictory documentation, the VAC site was added to the selection list. This option should be selected for ALL vaccinations; DO NOT DOUBLE DOCUMENT.



Assessment	Last Documented
* Vaccine Screening and Update	
→* UTE Risk and Standing Order*	01/16/15 1606
→** IN Pt QUICK START ADMIT **	12/23/14 1118
***HOSPICE INPt QUICK START **	
***OBS/SDC QUICK START ADMIT**	
*CVL RECOVER QUICK START ADMT*	
ADMISSION ASSESSMENT *BH/PSY*	
ADMISSION ASSESSMENT *PEDI*	
ADMISSION ASSESSMENT***ADULT**	
ADMISSION HISTORY *ADULT*	
ADMISSION HISTORY *PSY/BH*	
ADMISSION HISTORY***PEDIATRIC*	

After administration of a Flu Shot, return to this Assessment and update the information.

Process Patient Assessments

Current Date/Time DJW	Status ADM IN	Room NM.0303
	Admit 12/05/14	Bed 1
Patient NM0000002579 RN, THIRTY	Age/Sex 64 F	Loc NM.3RD

VACCINE SCREEN AND UPDATE

02/11/15 1755 DJW NM0000002579 RN, THIRTY

Have you had a FLU shot this season

Approximate date Flu vaccine given to Pt

Would you like a Flu vaccine this stay

Additional information R/T FLU shot

# Adverse Drug Reaction (ADR) Reporting

# What is an Adverse Drug Reaction (ADR)?

An **Adverse **Drug **Reaction (ADR)** is an unwanted or harmful reaction suspected to be related to a medication following administration of the medication **under normal conditions and used in an approved manner**. (An adverse drug reaction is NOT a medication error! If the medication was prescribed and administered properly and the patient then has an adverse reaction – that is an ADR.)****

ADR's can include known side effects of the medication or new and previously not recognized effects, allergic reactions and idiosyncratic reactions.

Examples include:

- respiratory depression with opioids;
- bleeding with warfarin
- rashes or anaphylaxis with antibiotics or contrast agents

*Good News! You no longer need to complete an incident report for ADR's. Your documentation in the Meditech ADR process outlined here will fulfill the reporting requirement, and will now result in increased pharmacy involvement with ADRs to help improve PATIENT SAFETY. Yeah!!! Applause!!!!*

The following are NOT classified or reportable as an ADR

- Medication errors (wrong medication, route, time, dose, etc. however, these are still reportable by Incident Report in the Medication/Fluid category)
- Medication withdrawal, abuse syndromes
- Accidental poisoning or gross overdose complications
- Therapeutic failures

The following slides demonstrate how to complete the ADR documentation using Meditech.



Click "New"

The screenshot shows the 'Allergy Management' window. At the top, patient information is displayed: RN, THIRTYFOUR - 84/F, NM.4TH NM.0402/1, Unit No: NM00000267, 162.6 cm 59.002 kg, ADM IN, Acct No: NM030002336. Below this is a table with columns: Allergy/ADR for Interaction Checks(4), Type, Severity, Date, Ver, and Cnt. The table contains four entries: codeine (Short of breath), latex (HIVES), morphine (RASH), and penicillin G (CRAZY FEELING). To the right of the table is a 'View Details' menu with buttons: New, Delete, Edit, Confirm, Verify, NKA, Unobtn, Audit Trail, Select All, Deselect All, Undo All, File, and Return. A red arrow points from the text 'Click "New"' to the 'New' button.

Allergy/ADR for Interaction Checks(4)	Type	Severity	Date	Ver	Cnt
codeine Short of breath	Allergy	Intermed	03/06/14	Yes	
latex HIVES	Allergy	Mild	03/06/14	Yes	
morphine RASH	Allergy	Mild	03/06/14	Yes	
penicillin G CRAZY FEELING	Allergy	Mild	03/06/14	Yes	
- Uncoded Allergy/ADR(0)					

Type the name of the medication. The list of available choices will narrow as you type. If the med you are seeking does not appear check your spelling and/or try another name (generic vs. brand)

The screenshot shows the 'Allergy/Adverse Drug Reaction Lookup - All' dialog box. The search field contains 'vanc'. The results table is as follows:

Allergy/Adverse Drug Reaction	Other Name	Category
Vancenase		Multiple
Vanceril		Multiple
Vancocin		Multiple
Vancomycin		Drug

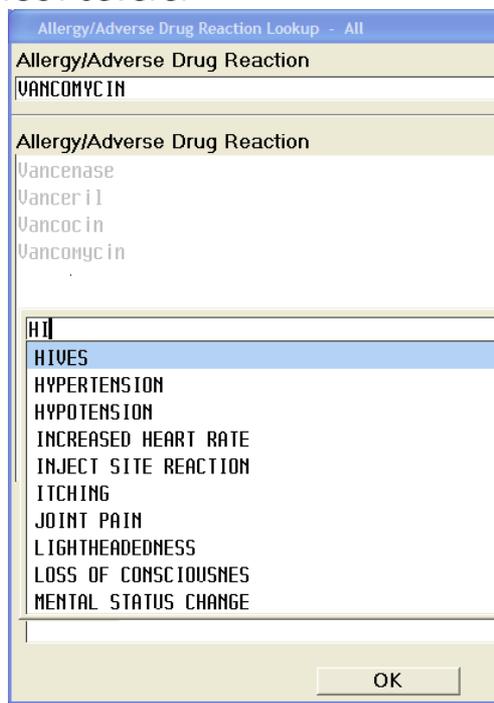
Below the table are fields for 'More', 'Type' (Allergy, Adverse Reaction), 'Severity' (Mild, Intermediate, Severe, Unknown), 'Verified' (Yes, No), and a 'Reaction' dropdown menu. At the bottom are 'OK' and 'Cancel' buttons. A red arrow points from the text 'Type the name of the medication...' to the search field.

## Complete all available and relevant details.

▪ Click “Adverse Reaction”

▪ Indicate the Severity

▪ Enter the Reaction; this is a type-ahead lookup like the drug lookup. If there are more than one, enter the MOST severe.



Allergy/Adverse Drug Reaction Lookup - All

Allergy/Adverse Drug Reaction

VANCOMYCIN

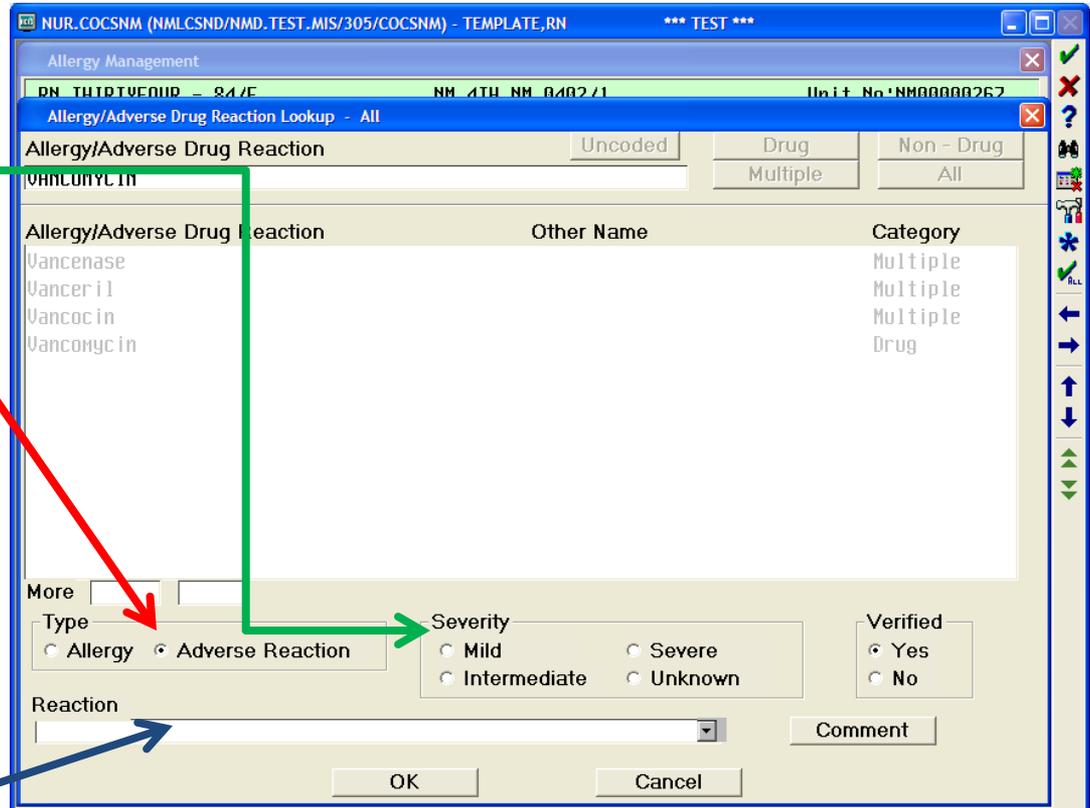
Allergy/Adverse Drug Reaction

Vancenase  
Vanceril  
Vancocin  
Vancomycin

HI

HIVES  
HYPERTENSION  
HYPOTENSION  
INCREASED HEART RATE  
INJECT SITE REACTION  
ITCHING  
JOINT PAIN  
LIGHTEADEDNESS  
LOSS OF CONSCIOUSNESS  
MENTAL STATUS CHANGE

OK



NUR.COCSNM (NMLCSND/NMD.TEST.MIS/305/COCSNM) - TEMPLATE, RN \*\*\* TEST \*\*\*

Allergy Management

PN THIDTVEQUD - 84/E NM 4TH NM 0402/1 Unit No: NMB0000262

Allergy/Adverse Drug Reaction Lookup - All

Allergy/Adverse Drug Reaction

Allergy/Adverse Drug Reaction	Other Name	Category
Vancenase		Multiple
Vanceril		Multiple
Vancocin		Multiple
Vancomycin		Drug

More

Type  Allergy  Adverse Reaction

Severity  Mild  Severe  Intermediate  Unknown

Verified  Yes  No

Reaction

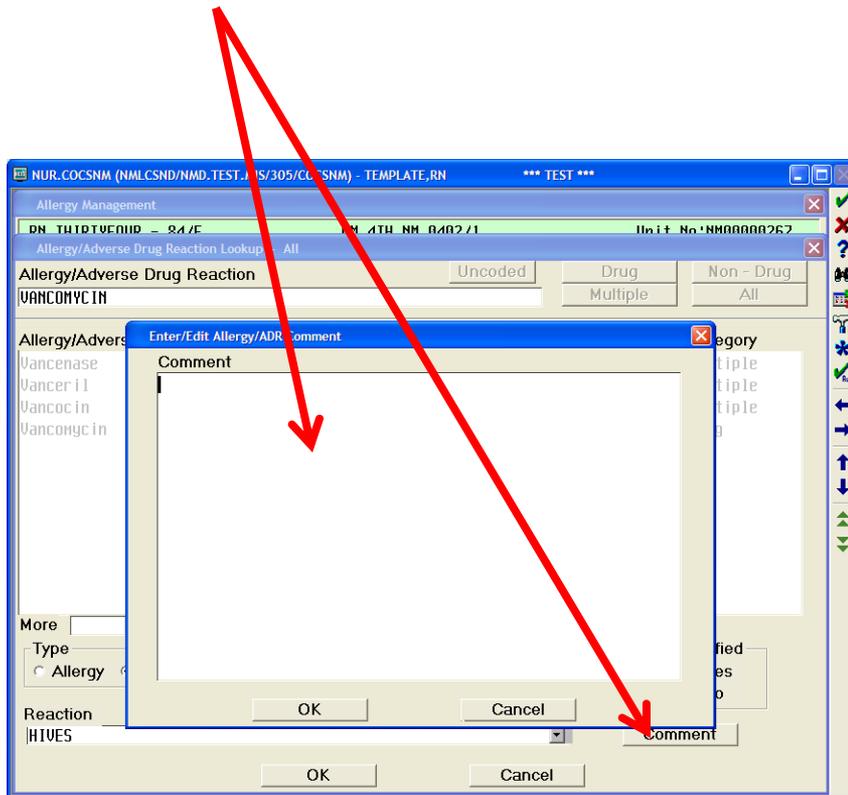
**MMC policy defines severity thusly:**

**Mild** – No change in therapy, no intervention.

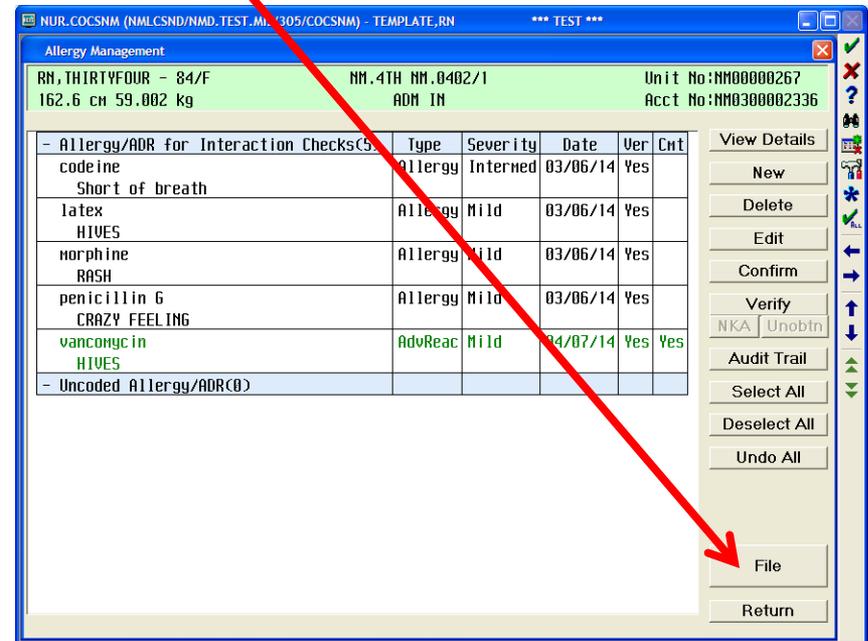
**Moderate (Intermediate)** – Some intervention required, including discontinuation of medication. Hospital stay is not prolonged.

**Severe** - Necessitates admission to a hospital, prolongs stay in a health care facility, necessitates supportive treatment, significantly complicates diagnosis, negatively affects prognosis, or results in temporary or permanent harm, disability, or death.

The Comment can be used for any additional information you feel should be available for this visit as well as future admissions.



Once you have clicked the "OK" button you will return to the main Allergy/ADR screen. The new entry will be **Green**. Repeat the process for any additional ADRs or Allergies. Once you are finished, click "File"



# Next step: ADR order

Ensure you have the correct patient selected, then click "Orders"

The screenshot shows a window titled "My List of Patients (Last Updated: 04/07/14 1029)". It contains a table with columns: LOCAT, NAME, RES, MEDTIME, FLU DATE, WANTS, NEW ORDERS, ROOM, AGE, DOB, SEX, Call patient, PNEU DATE, WANTS, External Rept. The table lists several patients, with the first row highlighted in yellow. To the right of the table is a vertical menu with buttons: Allergies, Admin Data, Assessment, Process Int, Plan of Care, Pt Loc/List, Orders (highlighted with a red box), Reconcile Rx, Review, E-Mail, Print Report, eMAR, Variance, References, Monitor, Discharge, Pt Instruct. At the bottom are buttons for Location, Find Patient, Manage List, Options, More, and Exit.

LOCAT	NAME	RES	MEDTIME	FLU DATE	WANTS	NEW ORDERS	ROOM	AGE	DOB	SEX	Call patient	PNEU DATE	WANTS	External Rept
NM.4TH	RN, THIRTYFOUR				REFUSED	N	Stat							
NM.0402-1	84	03/03/30	F	SAM	REFUSED	N								
NM.4TH	RN, THIRTYONE				REFUSED	N	Stat							
NM.0402-2	84	03/03/30	F	MARY	REFUSED	N								
NM.4TH	RN, THIRTYEIGHT				REFUSED	N	Stat							
NM.0403-1	84	03/03/30	F	THIRTY	REFUSED	N								

Click "Orders", enter the attending Provider and use the PS (Procedural Standard) order source.

The screenshot shows a window titled "Review Patient's Orders" for patient "RN, THIRTYFOUR - 84/F". It displays patient information: NM.4TH NM.0402/1, Unit No: NM00000267, 162.6 cm 59.002 kg, ADM IN, Acct No: NM0300002336. Allergies/ADRs: morphine, codeine, vancomycin, penicillin G, latex. Below this is a table of orders with columns: Category, Orders, Pri, Date/Time, Status, Stop, My. A "Order Management" dialog box is open, showing "Ordering Provider" as "NMDTPHY" and "PCI TEST PHYSICIAN", and "Order Source" as "PS". Buttons for "OK" and "Cancel" are visible. The main window has buttons for "Review", "Order", "Document", "Sign", and "Back".

Category	Orders	Pri	Date/Time	Status	Stop	My
+ Discharge in Process (1)						
+ Food and Nutrition (1)						
+ Respiratory						
+ Laboratory	Ordering Provider	NMDTPHY	PCI TEST PHYSICIAN			
+ Radiology	Other Provider					
+ Special Ser	Order Source	PS				
+ Medications						
+ Consultation						
+ Nursing (8)						
+ Admission (5)						



Click “Done”, “Submit” and “Ok” to transmit message to Pharmacy. This Message order appears in the “Medications” category when reviewing orders.

The screenshot shows a software window titled "Review Patient's Orders" with a patient summary at the top. The patient information includes: RN, THIRTY - 63/F; 165.1 cm 54.431 kg; Allergies/ADRs: aspirin, vancomycin; NM.3RD NM.0302/1; DIS IN; Unit No: NM00000006; Acct No: NM000000066. The date is Tue, Apr 22. Below the patient info are tabs for "Current", "All", and "Session". A table of orders is displayed with columns: Category, Orders, Pri, Date/Time, Status, Stop, My. A red box highlights the following row:

Category	Orders	Pri	Date/Time	Status	Stop	My
- Medications (5)						
	ADR MESSAGE TO PHARMACY (MSG)	Stat	04/22 1707	Active		

At the bottom of the window are buttons for "Review", "Order", "Document", "Sign", and "Back". A "Submit" button is also visible in the right-hand menu.

Once the Pharmacy has reviewed the ADR message order placed by the RN, they may respond with recommendations or conversations they initiated with the provider. This will generate an ACK flag on the status board.

My List of Patients (Last Updated: 04/21/14 1258)						
LOCAT	NAME	RES	MEDTIME	FLU DATE	WANTS	NEW ORDERS
ROOM	AGE DOB	SEX	Call patient	PNEU DATE	WANTS	
NM.3RD	<b>RN, THIRTY</b>					Ack
	63 05/05/50 F					

Click the flag to acknowledge as you would for any order. This will take you to the Acknowledge/Verify screen

Acknowledge/Verify Single Patient							
RN, THIRTY - 63/F		NM.3RD NM.0302/1		Unit No:NM00000006			
165.1 cm 54.431 kg		DIS IN		Acct No:NM0000000066			
Allergies/ADRs: aspirin, vancomycin							
All Orders		Meds		Non-neds			
Order	Category	Svc Dt/Tm	Pri	Event	Status	Event Dt/Tm	
<input type="checkbox"/>	ADR RESPONSE FROM PH...	MSG	04/21	R	New	Active	04/21 1436

Check the box then scroll down to review the Pharmacist's recommendation/message. Click the "Ack/Ver" button to document your review of this information as you would with all orders.

Acknowledge/Verify Single Patient							
RN, THIRTY - 63/F		NM.3RD NM.0302/1		Unit No:NM00000006			
165.1 cm 54.431 kg		DIS IN		Acct No:NM0000000066			
Allergies/ADRs: aspirin, vancomycin							
All Orders		Meds		Non-neds			
Order	Category	Svc Dt/Tm	Pri	Event	Status	Event Dt/Tm	
<input checked="" type="checkbox"/>	ADR RESPONSE FROM PH...	MSG	04/21	R	New	Active	04/21 1436
**NEW ORDER**							
Order Info		Other Detail					
Ordering Provider: PCI TEST PHYSICIAN				Signed:			
Other Provider:				Signed:			
Sig Lvl Provider:				Signed:			
Entered by: <input type="text"/>				Entered Date/Time:04/21/14 1436			
Pharmacy actions (only Pharmacy staff to document here)							
TEST ACK							
Ack/Ver		Hold Ack		eMAR		Process Orders	
Close							

# In Clinical Review, you can review any of this documentation by clicking “Order History” and opening the “Pharmacy Medication Request” Category

**Clinical Review**

RN, THIRTY - 63/F      NM.3RD NM.0302/1      Unit No: NM00000006  
165.1 cm 54.431 kg      DIS IN      Acct No: NM000000066  
Allergies/ADRs: aspirin, vancomycin

Previous Page    Next Page

Service	Category	Ordered By	Status	I
+ Date/Time	Procedure	Ordered Dt/Tm		
- MSG	- PHARMACY MEDICATION REQUEST	(5)		
Apr 21,14 UNK	PHARMACY MEDICATION REQUEST ADR RESPONSE FROM PHARMACIST	PCI TEST PHY... Apr 21,14 14:36	TRN	
Apr 18,14 14:17	PHARMACY MEDICATION REQUEST ADR MESSAGE TO PHARMACY	PCI TEST PHY... Apr 18,14 14:17	TRN	
+ NURORD	- Nursing Orders	(5)		
+ TRAN	- TRANSFER	(1)		

Order History

PCI    Order    Document    Discharge    Sign    Return