

Basic Medication Safety Module (Part II)

Pharmacy Services Program, MOH



Basic Medication Safety for Pharmacist

01. Risk Factors Contributing to Medication Error

02. Risk Minimization Strategies

03. Safe Dispensing Practice



LEARNING OBJECTIVES

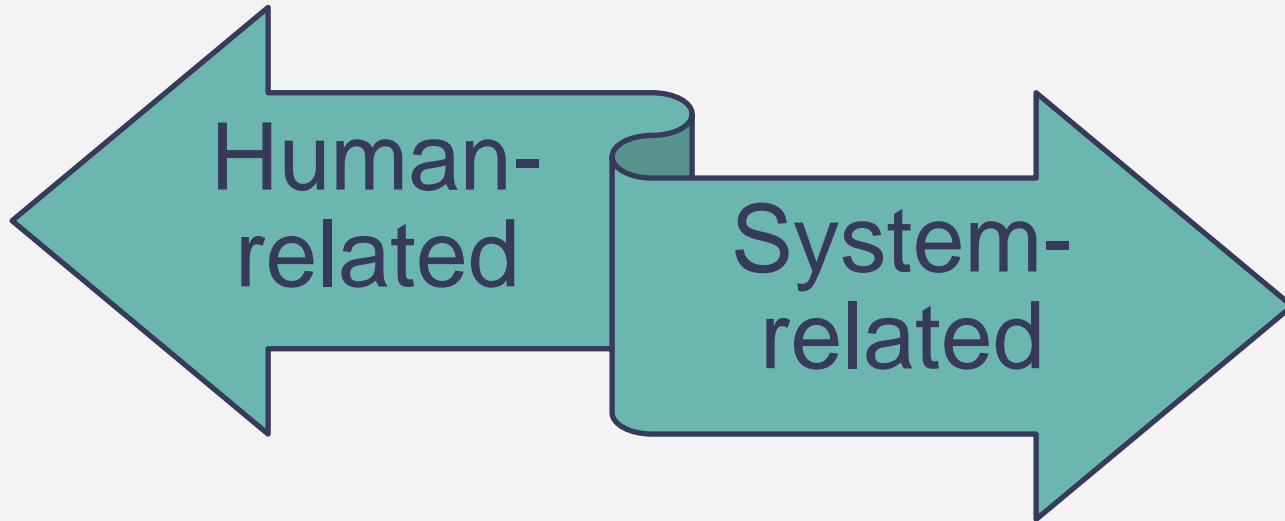
1. Identify system failure associated with medication errors
2. Discuss the impact of latent failures on medication safety
3. Review the best error prevention tools



01. Risk Factors Contributing to Medication Errors



FACTORS CONTRIBUTING TO MEDICATION ERROR



HUMAN ERROR

- Defines as the unintentional deviation from safe acts of people on the front line (e.g.: nurses, physicians, pharmacists etc)
- Human error is “active failure” whose effect of error are felt immediately.

1. Sameera V, Bindra A, Rath GP. Human errors and their prevention in healthcare. J Anaesthesiol Clin Pharmacol. 2021 Jul-Sep;37(3):328-335. doi: 10.4103/joacp.JOACP_364_19. Epub 2021 Oct 12. PMID: 34759539; PMCID: PMC8562433.
2. Reason J. Human error: models and management. West J Med. 2000 Jun;172(6):393-6. doi: 10.1136/ewjm.172.6.393. PMID: 10854390; PMCID: PMC1070929.



FACTORS CONTRIBUTING TO HUMAN ERRORS

Associated with Pharmacy Staffs

- Lack of knowledge/experience/skills
- Low awareness on potential errors
- Overworked/fatigued
- Poor communication among healthcare workers
- Distraction
- Personal Issue

Team Factors

- Written communication issue
- Verbal communication issue
- Unclear roles & responsibility
- Lack of supervision
- Ineffective leadership
- Lack of support/help from colleagues

MEDICATION USE PROCESS



Human are first line response to error in healthcare system



SYSTEM ERROR

- Failure or poor system design increase the tendency of error committed by human.
- System error are “latent error” where effects are delayed, like accidents waiting to happen
- Faulty system design has two effects:
 - Causes human error
 - Makes it impossible to detect in time to prevent an accident.

FACTORS CONTRIBUTING TO SYSTEM ERRORS

Associated with Work Environment

- Excessive workload and time pressure
- Distractions/ interruptions
- Lack of standardized protocols and procedures
- Insufficient resources
- Issues related to work environment (e.g. lighting, temperature and ventilation)

Associated with Medicines

- Look Alike Sound Alike Medicines
- Similar Labelling & Packaging
- Arrangement of medications

LOOK ALIKE MEDICATIONS



MULTIPLE DRUG VARIATION

325 mg, Soln-Oral, PO, One Time, STAT, ED ONLY
120 mg, Supp, PR, One Time, STAT, ED ONLY
650 mg, Supp, PR, One Time, STAT, ED ONLY
325 mg, Tab, PO, One Time, STAT, ED ONLY
500 mg, Tab, PO, One Time, STAT, ED ONLY
650 mg, Tab, PO, One Time, STAT, ED ONLY
1,000 mg, Tab, PO, One Time, STAT, ED ONLY
1,000 mg, Inj, IVPB, One Time, Indication: Other One time dose
325 mg, Soln-Oral, PO, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Soln-Oral, PO, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
325 mg, Supp, PR, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Supp, PR, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
325 mg, Tab, PO, q4h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Tab, PO, q4h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Tab, PO, q4h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Tab, PO, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Tab, PO, q6h PRN, pain/fever/headache, Indication: Other pain/fever/headache
650 mg, Tab, PO, One Time, STAT, ED ONLY

FACTORS CONTRIBUTING TO SYSTEM ERRORS

Associated with Technology

- Design failure
- Availability of protocol/procedure/guideline
- Availability an accuracy of health & patient information
- Computerized system error
- Decision making aids (checklist, protocols, computerized)
- Drug knowledge dissemination

Associated with Management

- Inadequate training
- Inappropriate work schedules
- Lack of teamwork
- Poor leadership

Source: Medication Errors: Technical Series on Safer Primary Care, World Health Organization 2016



WRONG PATIENT: SIMILAR PATIENT ID



MEDICATION ORDER

Select Registered Patient: All ▼ 890125 [Search icon]

Dispensing Location: Inpatient Pharmacy ▼

Patient Search

[Previous] [Next] /1 [1-2/2]

MRN	ID Number	Patient Name
HHT00102201	890125 [Redacted]	RUS [Redacted]
HHT00118577	890125 [Redacted]	SITI [Redacted]



DEFAULT SETTING OF DOSE

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name	<input type="text"/>	<input type="button" value="Advanced Search"/>	<div>Alert</div>
Drug	<input type="text"/>		
Dosage	<input type="text" value="0"/>		
Admin Route	<input type="text"/>		
Frequency	<input type="text"/> <input type="button" value="Dosage Schedule"/>		
Duration	<input type="text"/> <input type="text" value="Days"/>	<input type="checkbox"/> Patient Own Medication	
Start Date / Time	<input type="text" value="31/05/2023 3:43 PM"/>	<input type="checkbox"/> Ward Stock	
End Date / Time	<input type="text" value="31/05/2023 3:43 PM"/>	<input type="checkbox"/> Patient Require Counselling	
Order Quantity	<input type="text" value="0"/>		
Drug Indication	<input type="text"/>		
Drug Remarks	<input type="text"/>		



CONSIDER A CASE SCENARIO

Patient: A healthy baby with congenital syphilis.

Prescription: Penicillin G Benzathine 150,000 IM

Pharmacist: Prepared/dispensed 2 syringes of Inj. Penicillin G Benzathine 1.2MU/2ml with direction to administer 2.5ml of the medication (1,500,000 units)

Nurse: Concerned about large volume using 5 separate syringes, consulted a senior nurse and change to IV bolus to avoid painful IM injections

After administration of approximately 1.8ml of the benzathine penicillin G, the neonate became unresponsive and resuscitation efforts were unsuccessful.



PERSON APPROACH

1. Errors seen as the act of individualized human behavior/ attitude.
2. Puts emphasis on the individuals involved, which generally implies “blame”
3. Puts blame on the last person touching the patient

SYSTEM APPROACH

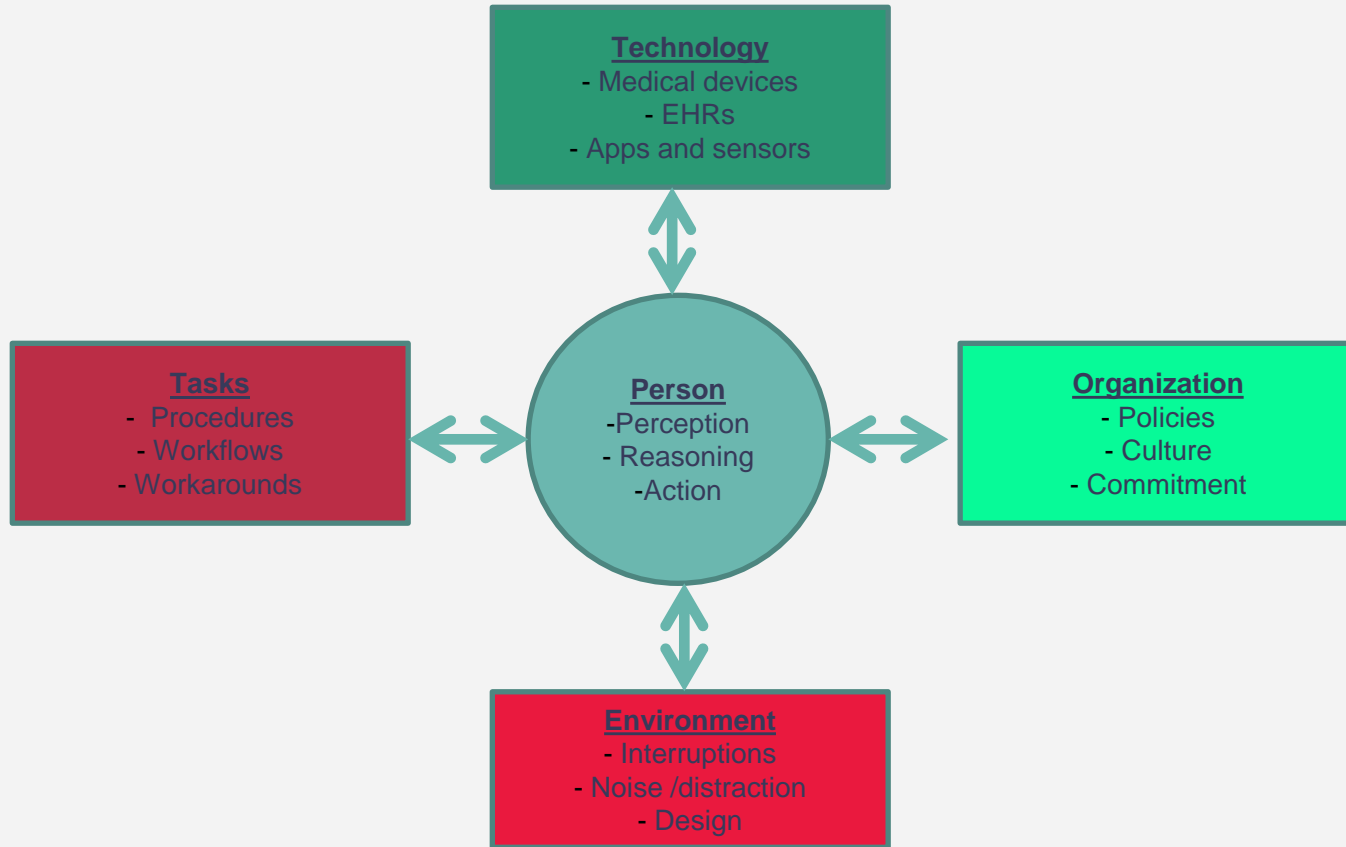
1. Errors are seen as consequences rather than causes.
2. Resulted from human failings in the context of a poorly designed system (management, technological advancement, working environment)
3. This approach believes that people come to work with good intention and are skilled and experienced, but may be led to commit error because of the way in which the design of the systems shapes their behavior.

ACTIVE VS LATENT FAILURE

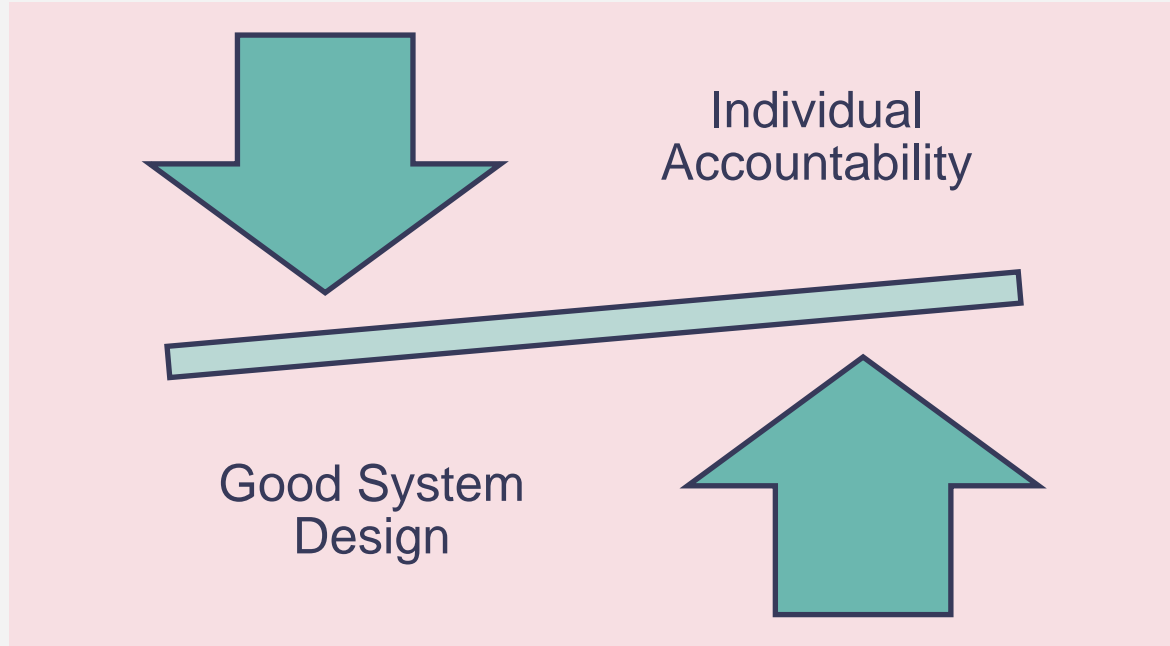
Failures	Active Failure	Latent Failure
Pharmacist	Wrongly presumed strength	Unclear label on medication container
	Wrong Calculation	Ignoring warning/lack patient information
	No independent counterchecking	Inappropriate allocation of staff
Nurse	Administered wrong dose/did not countercheck	Insufficient references/ unclear policy
	Wrong route of administration	Incomplete information warning/instruction



FOCUS ON SYSTEM FACTORS



JUST CULTURE: CULTURE OF ACCOUNTABILITY



05. Risk Minimization Strategies



ERROR PREVENTION STRATEGIES

Strategy		Power (leverage)
1	Fail-safes and constraints	High
2	Forcing functions	
3	Automation and computerization	
4	Standardization	
5	Redundancies	Low
6	Reminders and checklists	
7	Rules and policies	
8	Education and information	

Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Most powerful and effective
- Involve true system changes so that errors are virtually impossible or difficult to make

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

FAIL SAFES TO PREVENT ALLERGY ERROR

FiSiCiEN (PUJ) **PHARMACY**

M 54 Status : DISCHARGED Age/Gender : 143 Y 9 M / **PHARMACY**
R 48 Class : S () Call No. :
T 28 Ward/Room/Bed: **PHARMACY**

Tue, May 30, 2023 3:17:32 PM

Scheduler Front Desk Medical Record Queue Bed Board EMR Orders Pharmacy Inventory Setup

Patient And Person Details

[RN] [MRN]
[Name]
[Alias Name]
[ID No./Type] - Please Select - [Date Of Birth] [31] Age
Financial Type [Gender] - Please Select -
[Attending Doc] [Admission Status] - Please Select -
[Patient Type] - Please Select -
[Admit To Specialty] - Please Select -
[Ward] - Please Select - Room/Bed
[Adm Date] [31] [To] [31] [Disch Date] [31] [To] [31]
Address

FiSiCiEN (ENCTO) NDR **PHARMACY**

M 54 Status : REGISTERED Age/Gender : 143 Y 9 M / MALE **PHARMACY**
R 48 Class : S (CIS) Call No. :
T 28 Ward/Room/Bed : 100F/9/ CHURCHILL 1/ 03F

Tue, May 30, 2023 3:18 PM

Scheduler Front Desk Medical Record Queue Bed Board EMR Orders Pharmacy Inventory Setup

Inpatient Drug Preparation


[Patient Type] - Please Select - [Order Type] - Please Select -
[Patient Location] - Please Select - [Order Status] ORDERED [On Hold]
[RN] [MRN/Name]
[ID No./Type] - Please Select - [Item Status] - Please Select -
[Call No.]
[Date From] 30/05/2023 [To] 30/05/2023
☐ [Floor Stock] ☐ [Dangerous Drug]
☐ [Partial Supply Prescription]
☐ [SPUR]
☐ [IMP/ SMS]
☐ [PCN]
Diagnosis
Allergy **VALBUTAMOL 6.3% INHALATION SOLUTION**
VALBUTAMOL 6.3% INHALATION SOLUTION
COMBIVENT
VALBUTAMOL 6.3% INHALATION SOLUTION
VALBUTAMOL 6.3% INHALATION SOLUTION

Search Clear

Prescription Queue

Select	Prescription No.	RN	Patient Name	Call No.	Patient Location	Prescribed Date/Time	Prescribed Location	Prescribed By	Status	Age	Patient Arrival Time	Waiting Time	Order Type	Action
*	PH14044302	2337010205010	MRN 54	143	WARD 36 - MEDICAL 3RD CLASS	30/05/2023 09:37	WARD 36 - MEDICAL 3RD CLASS	CLAUDE	ORDERED	143 Y 9 M			STAT	

Allergy Alert in FiSiCiEN

- Physician still can order drug(s) that patient is allergic to
- Allergy history is saved in a separate section  that does not link to medication order

ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

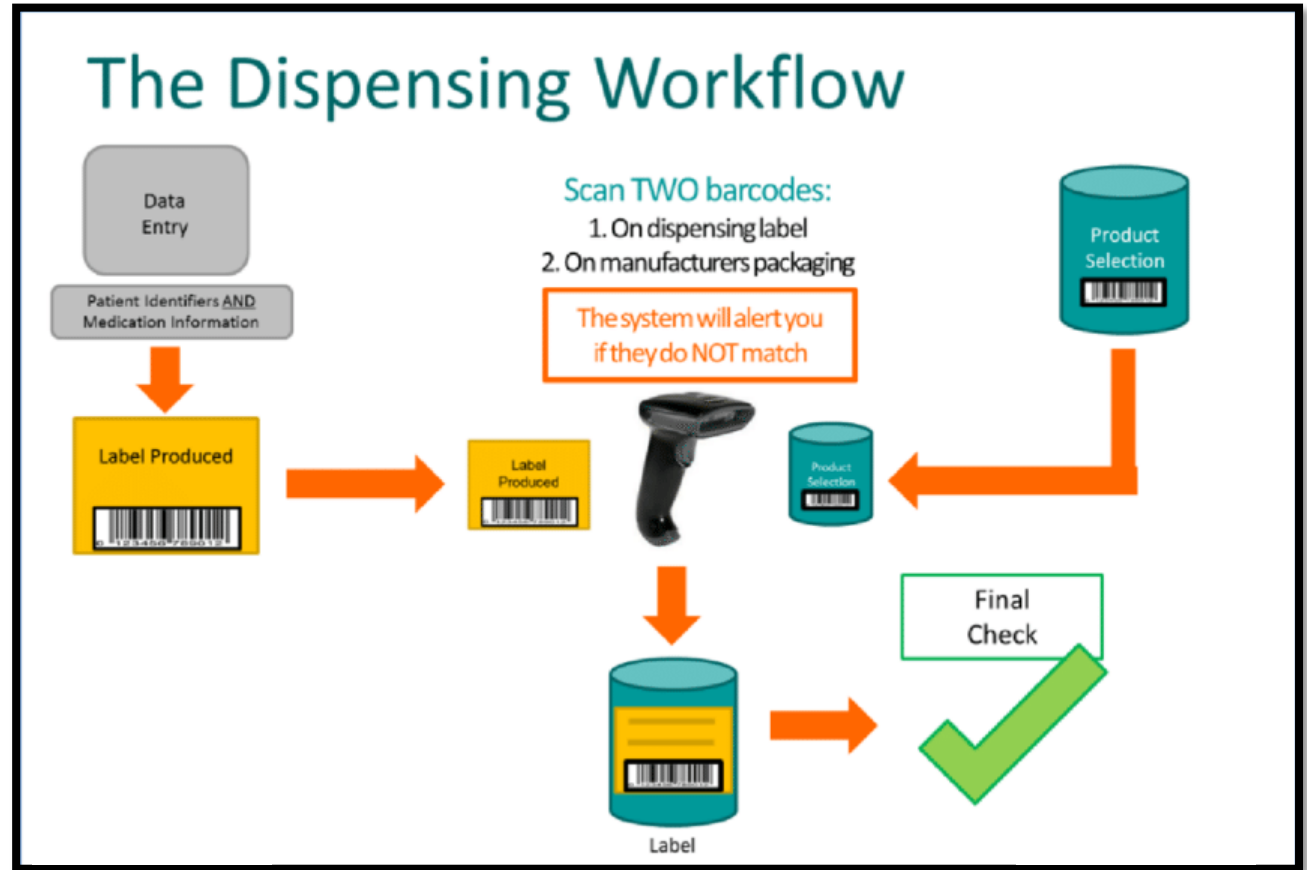
- “Lock and key” design
- Create a hard stop before proceeding
- Ensure that important information is provided

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

FORCING FUNCTION: BAR CODING SYSTEM

- It can help to reduce errors caused by lack of vigilance
- Avoid errors of patient identification prior to medication, transfusions, or procedures
- It also can automatically captures treatment information
- It has been reported will reduces medicine administration errors by 86%.

Examples



June 2017 Barcoding and other scanning technologies to improve medication safety in hospitals Dr Mike Bainbridge and Dean Askew from ASE Health

ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Lessen human fallibility
- Limit reliance on memory
- Eliminate misinterpretations

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

COMPUTERISED PRESCRIBING ORDER ENTRY (CPOE)

(PU/)

F1S1C1EN M 54 Status : DISCHARGED Age/Sec : 43 Y 9 M /
R 48 Class : S () Call No. :
TII 28 Ward/Room/Bed:
Tue, May 30, 2023 3:17:32 PM

PHARMACY

Scheduler Front Desk Medical Record Queue Bed Board EMR Orders Pharmacy Inventory Setup

Patient And Person Details

[RN] [MRN]

[Name]

[Alias Name]

[ID No./Type] - Please Select - [Date Of Birth] Age

Financial Type [Gender] - Please Select -

[Attending Doc] [Admission Status] - Please Select -

[Patient Type] - Please Select -

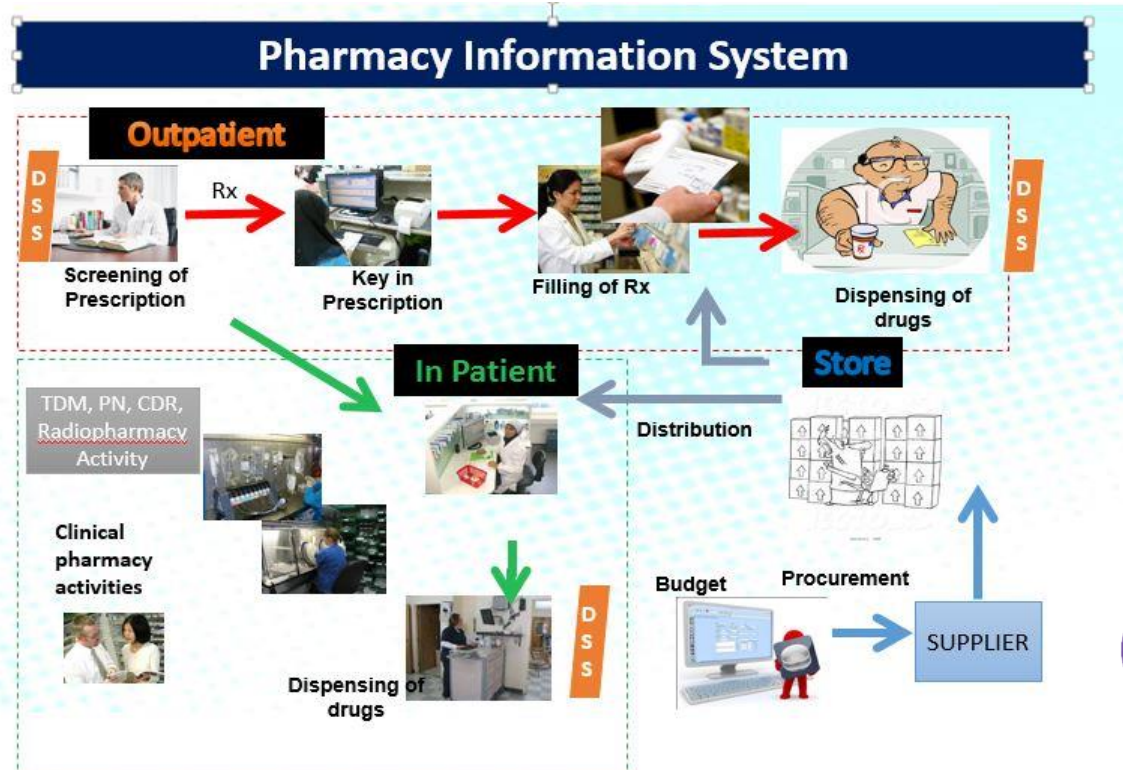
[Admit To Specialty] - Please Select -

[Ward] - Please Select - Room/Bed

[Adm Date] [To] [Disch Date] [To]

Address

AUTOMATION: PhIS



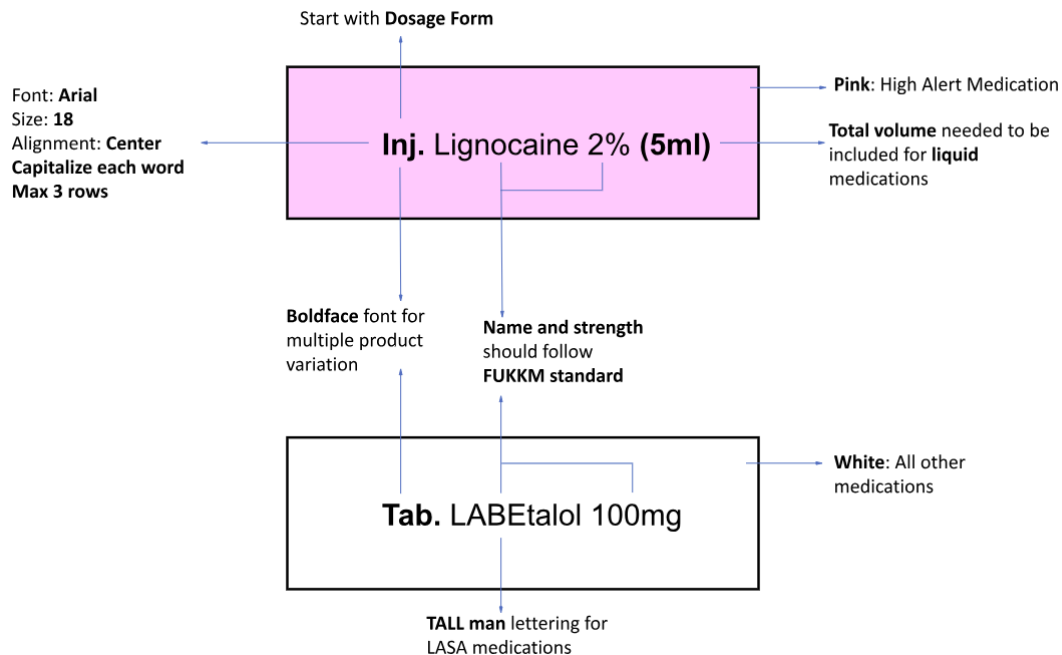
ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Uniform model to adhere
- Reduce complexity and variation
- But rely on human vigilance to ensure the process is followed
- Less effective than strategies mentioned previously

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

STANDARDISATION: MEDICATION CONTAINER LABELS



ERROR PREVENTION STRATEGIES

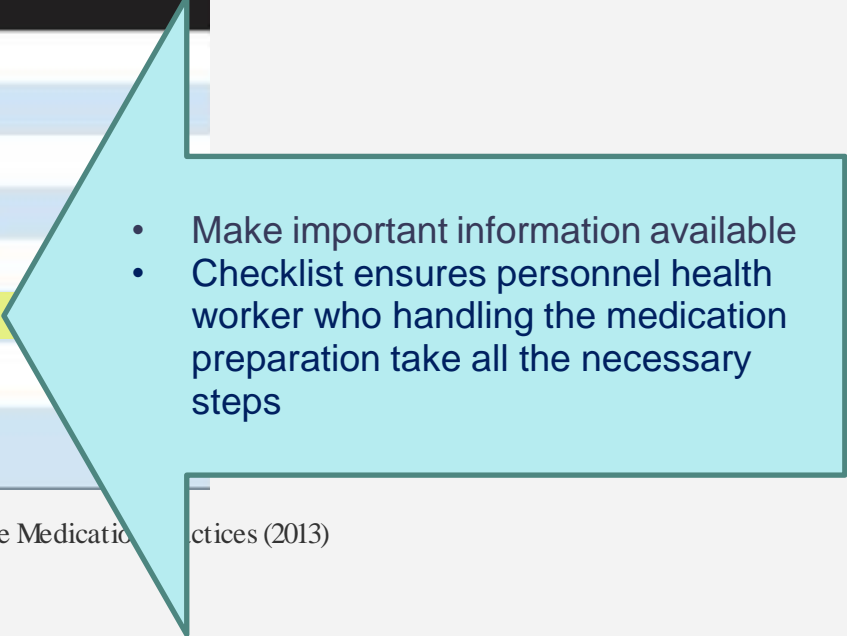
Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Incorporate duplicate steps
- Add another individual to force additional checks
- Reduce likelihood of making the same error
- But may be omitted or ignored

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information



- Make important information available
- Checklist ensures personnel health worker who handling the medication preparation take all the necessary steps

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

CHECKLISTS

Dispensing Checklists

Prescription requirements

Signature of prescriber is present.	
Dated and within the 6 month validity/28 day validity.	
Address of the prescriber is present.	
The prescriber is an appropriate one.	
The dose is present, this does not need to be in words and figures.	
The formulation to be dispensed is stated, unless only one exists.	
The strength is specified, only if more than one exists.	
The total quantity to be dispensed is stated.	
The name of the patient is present.	
The address of the patient is stated. If no fixed abode then simply NFA is acceptable.	
The name of the medicine is present but this not a legal requirement.	
The directions for use are stated.	

Standard label requirements

Name of patient	
Name and address of the supplying pharmacy	
Date of dispensing	
Name of the medicine	
If appropriate: for external use only	
Directions for use	
Precautions such as BNF warning labels	
Both outer container and inner product labelled, if applicable.	
PIL has been placed into bulk container alongside medication/product, if applicable.	

Nursing Procedure Checklist

Administering Oral Medications

Instruction: Check, under Correctly Done if identified skill is correctly performed; Incorrectly Done if skill is not performed correctly; and Not Done if the student failed to perform the skill.

Procedure	Correctly Done	Incorrectly Done	Not Done
1. Gather equipment. Check: each medication order against the original physician's order according to agency policy. Clarify any inconsistencies. Check: the patient's chart for allergies.			
2. Know the actions, special nursing considerations, safe dose ranges, purpose of administration, and adverse effects of the medications to be administered. Consider the appropriateness of the medication for this patient.			
3. Perform hand hygiene.			
4. Move the medication cart to the outside of the patient's room or prepare for administration in the medication area.			
5. Unlock the medication cart or drawer. Enter pass code and scan employee identification, if required.			
6. Prepare medications for one patient at a time.			
7. Read the MAR and select the proper medication from the patient's medication drawer or unit stock.			
8. Compare the label with the MAR. Check: expiration dates and perform calculations, if necessary. Scan the bar code on the package, if required.			
9. Prepare the required medications:			
a. <i>Unit dose packages:</i> Place unit dose-packaged medications in a disposable cup. Do not open wrapper until at the bedside. Keep narcotics and medications that require special nursing assessments in a separate container.			
b. <i>Multidose containers:</i> When removing tablets or capsules from a multidose bottle, pour the necessary number into the bottle cap and then place the tablets in a medication cup. Break only scored tablets, if necessary, to obtain the proper dosage. Do not touch tablets with hands.			
c. <i>Liquid medication in multidose bottle:</i> When pouring liquid medications in a multidose bottle, hold the bottle so the label is against the palm. Use the appropriate measuring device when pouring liquids, and read the amount of medication at the bottom of the meniscus at eye level. Wipe the lip of the bottle with a paper towel.			
10. When all medications for one patient have been prepared, recheck the label with the MAR before taking them to the patient. Replace any multidose containers in the patient's drawer or unit stock. Lock the medication cart before leaving it.			
11. Transport medications to the patient's bedside carefully, and keep the medications in sight at all times.			
12. Ensure that the patient receives the medications at the correct time.			
13. Identify the patient. Usually, the patient should be identified using two methods. Compare information with the MAR or CMAR.			
a. Check the name and identification number on the patient's identification band.			
b. Ask the patient to state his or her name.			
c. If the patient cannot identify him or herself, verify the patient's identification with a staff member who knows the patient for the second source.			
14. Complete necessary assessments before administering medications. Check: allergy bracelet or ask: patient about allergies. Explain the purpose and action of each medication to			



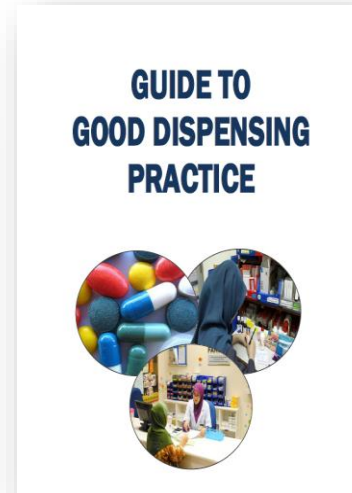
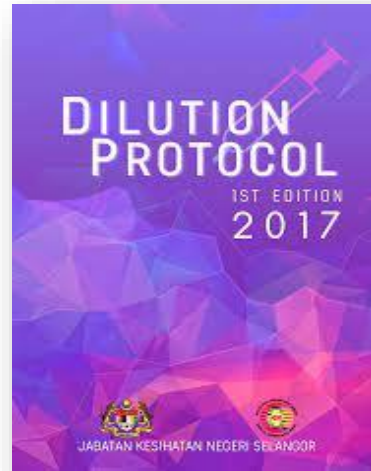
ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Guide staff toward an intended positive outcome
- But rely on memory
- Only used as a foundation to support more effective strategies that target system issues

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices (2013)

GUIDELINES & PROTOCOLS



ERROR PREVENTION STRATEGIES

Strategy	
1	Fail-safes and constraints
2	Forcing functions
3	Automation and computerization
4	Standardization
5	Redundancies
6	Reminders and checklists
7	Rules and policies
8	Education and information

- Rely on individual's ability to remember
- Must be combined with other strategies to strengthen medication use system

Table 1: Rank order of error reduction strategies. Adapted from: Institute for Safe Medication Practices







IMPLEMENTING ERROR PREVENTION STRATEGIES

1

Low Leverage Strategies
are not Effective
when used alone

3

Routinely Evaluate
Error Prevention
Strategies

2

Employ Variety of
Strategies

4

Consider More Powerful
Strategies



[illegible]

ISMP's Ten Key Elements of the Medication Use System



10 Key Elements of Medication Use Process

1. Patient Information
2. Drug Information
3. Communication of Drug Orders and Other Drug Information
4. Drug Labeling, Packaging and Nomenclature
5. Drug Standardization, Storage and Distribution
6. Medication Delivery Device Acquisition, Use and Monitoring
7. Environmental Factors
8. Staff Competency and Education
9. Patient Education
10. Quality Processes and Risk Management

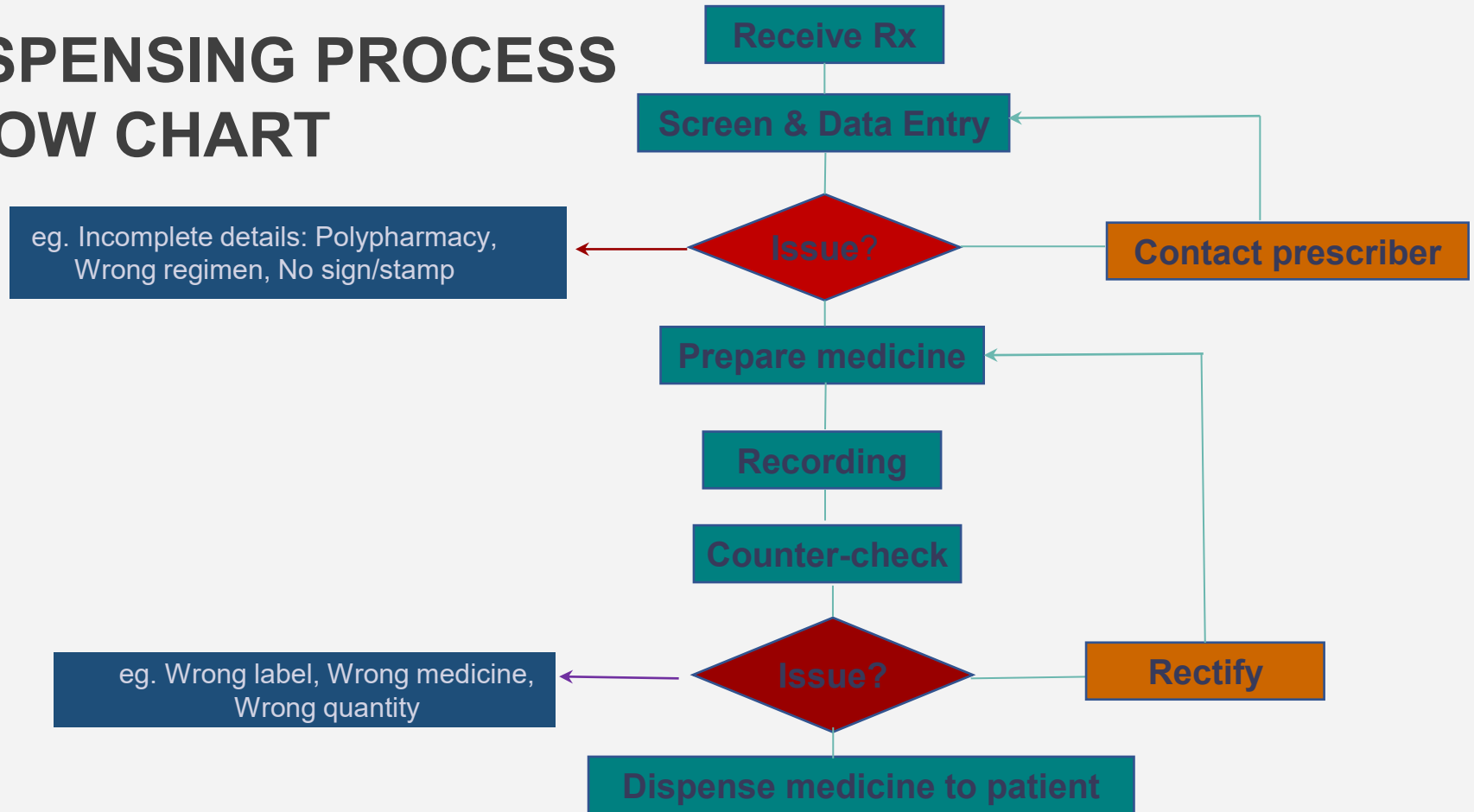




Caution in Dispensing Cycle Process



DISPENSING PROCESS FLOW CHART



Dispensing

Counter-checking

Preparation

Data Entry

CHECK & VALIDATE



Nama: <i>Mohd Abu bin Zamri</i>	Rx 123456	No.
No. K/P: <i>891010-13-5678</i>		
No. Daftar: <i>ABC5678</i>		
Umur: <i>34 tahun</i>		
Tarikh: <i>2 December 2022</i>		
Benyakit: <i>Urticaria</i>	<i>Tablet Paracetamol 1g TDS x 1/52</i> <i>Tablet Chlorpheniramine 4mg TDS x 3/7</i> <i>Hydrocortisone Cream 1% w/w BD on arm x 5/7</i>	
	<i>Nurul Hidayah Ibrahim</i> Dr. Nurul Hidayah binti Ibrahim Pegawai Perubatan UD44 MMC No. 123456 Hospital ABC	
	Hospital ABC	



ASK

Screening



PATIENT'S IDENTIFIER⁺





ASK
Patient/
Caregiver

IDENTIFY YOUR PATIENT: 2 IDENTIFIERS


STEP 1: **COMPULSORY**

Ask patient's full name



STEP 2: **AT LEAST ONE**

- Ask patient's I/C number or birthday
- Check patient's I/C
- Check patient's specific document
(Eg: OPD card/discharge note/lab report)
- Check patient's wristband
(For bedside dispensing only)
- Check Medical Record in ward
(For bedside dispensing only)







1

Right Patient

1. right name
2. **AND** identity card (IC) number

2

Practice 5 Right

1. Route
2. Medication Name
3. Dose & Strength
4. Frequency
5. Duration

3

Drug Suitability

1. Polypharmacy
2. Allergy/ADR
3. Interaction

4

Clarify

any doubts before data entry

5

Aware

on **default setting or selection** in the computerized system

6

Ensure

no omission of information



Dispensing

Counter-checking

Filling

- Practice 5R- Select the correct drug, strength, dosage form and quantity
- Check the expiry
- Beware of LASA or multiple product variation (check local formulary)



Always cross check the filled medicines name & strength against the original prescription



Preparation

Data Entry

Screening





Always cross check the filled medicines name & strength against the original prescription



Extemporaneous Preparation/Compounding

- Ensure preparation is prepared according to formulation from a reputable reference
- Prepare a worksheet for the compounding - should be counterchecked
- Practice 5R- select the correct drug, strength and quantity to be compounded
- Use an appropriate vehicle according to the formulation
- Use appropriate measuring tools



- ✓ Formula
- ✓ Ingredients and quantity used
- ✓ Batch number, and expiry date of ingredients used
- ✓ Patient & prescription details
- ✓ Name of person involved in preparation and counterchecking product
- ✓ Date of compounding
- ✓ Storage
- ✓ Copy of labels

HKL/FARAK-08-02

EXTEMPORANEOUS WORKSHEET

**MINISTRY OF HEALTH
HOSPITAL KUALA LUMPUR**

Date of Preparation : Worksheet ID:

MRN : Patient Name:
 ID No (NRIC) : Rx. No.:
 Prescription Date : Prescriber's Name:

Prescription Particulars / Maklumat Preskripsi

ROA	Preparation Name Nama Sebatian	Dose & Duration Ordered Dosis & Durasi Preskripsi	Total Dose/Volume to Prepare Jumlah Dose/Isapada Untuk Diberikan

Material Used / Bahan Digunakan

NOTE: Refer to MOH Extemporaneous Formulation/PNS Master Formulation
 Note: Rujukan kepada MOH Extemporaneous Formulation atau PNS Master Formulation

Item Name Nama Item	Volume/Quantity Required Isapada/Jumlah Digunakan	Batch No. No. Klotek	Expiry Date Tarikh Luput

Apparatus & Container Used / Peralatan & Pak Penerimaan yang Digunakan

<input type="checkbox"/> Mortar & pestle	<input type="checkbox"/> Glass rod	<input type="checkbox"/> Bottle, Glass, Amber	Checked & cleaned by Isapada & dibersihkan oleh
<input type="checkbox"/> Spatula	<input type="checkbox"/> Bottle, HDPE, White	<input type="checkbox"/> Other, please state, nyatakan:	
<input type="checkbox"/> Glass beaker	<input type="checkbox"/> Bottle, HDPE, Amber		

Instructions / Arahan Penerimaan

Storage / Penyimpanan:

<input type="checkbox"/> Room Temperature	<input type="checkbox"/> Protect from light
<input type="checkbox"/> Refrigerate	

Label / Salinan Label:

Worksheet & Label Prepared by Kartar Kaji & Label Diberikan Oleh	Worksheet & Label Checked by Kartar Kaji & Label Diberikan Oleh	Prepared by Dibuat Oleh	Final Pa Check Semak Akhir

No. Kertas: 01
 No. Penerima: 02
 Tarikh Keluaran: 1 Jun 2021





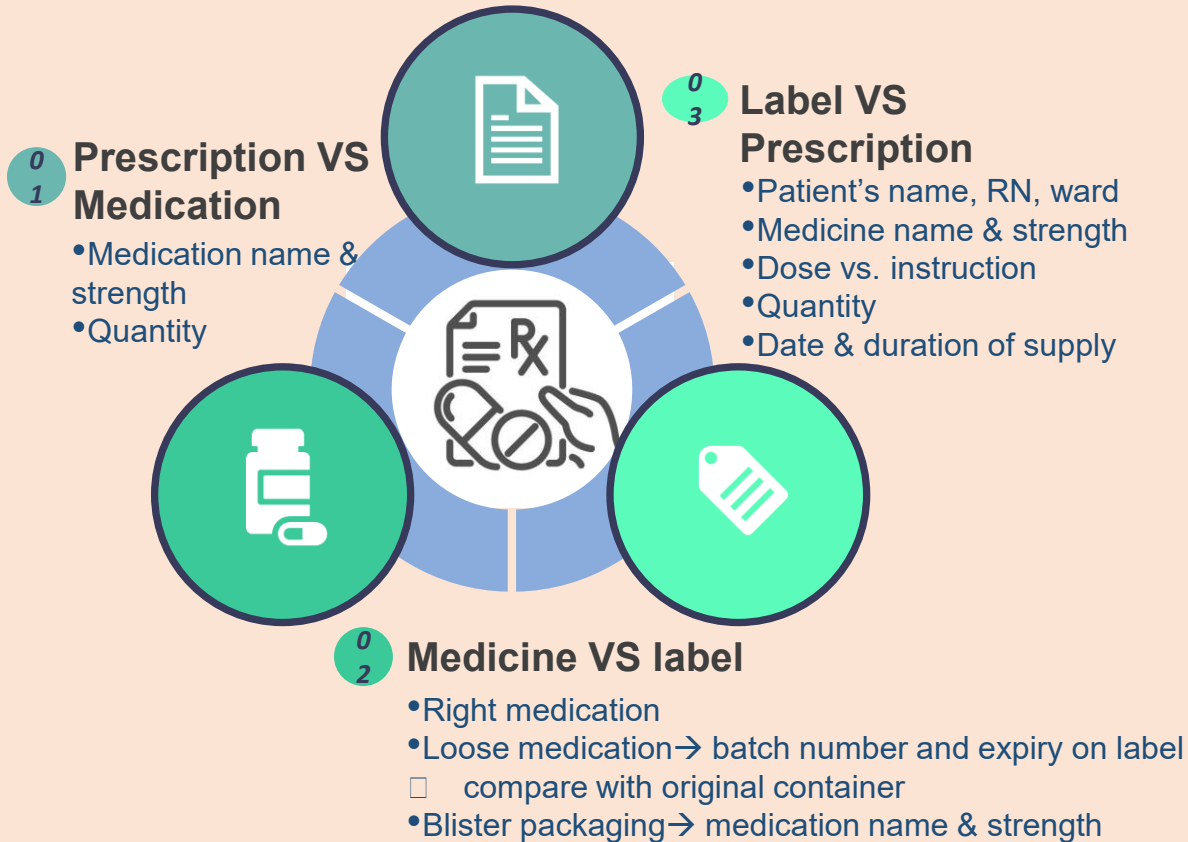
Always cross check the filled medicines name & strength against the original prescription



Labelling

- If label is handwritten, it should be neat & legible with clear instructions on use
- Practice triple point counterchecking
- Use appropriate auxiliary label if required (e.g. do not chew/crush tablet, may cause drowsiness)
- Ensure proper placement of the label. Do not hide the active ingredient on original packaging in order to assist counterchecking.

COUNTER-CHECKING PRESCRIPTION



Triple-point Checking

To ensure all the prescribed medicines are supplied and in the right quantity



01



Should be done by second person, other than the staff who did previous filling & labelling tasks

02



Give clear instructions/counselling and proper advice on how to take/ use the medicines dispensed.



Counter-checking

Preparation

Data Entry

Screening

B/4 TUA 3/11 - 1/11/21 Insupen TCA Neuro x 3/12 25/11/21

Name: [REDACTED] T. Prazosin 1mg TDS Perubatan 6A-Pin. 3/96
R_x FR 2696732

No. K/P: [REDACTED] T. Aspirin 150mg OD

No. Daftar: 2792670 T. Diltiazem 30mg TDS

Umur: 51 T. Furosemide 80mg BD

Tarikh: 6/18/21 T. Amlodipine 10mg OD

Penyakit: (R) lacunar infarct T. Atorvastatin 40mg ON x3/12

HOSPITAL

NEGERI

T. Pantoprazole 40mg OD

18-2018-SRSB, KL. 6/8/21 - dr. N. Nik, old med for both CLB start together.

**EXAMPLE of PRESCRIPTION
FOR TRAINING PURPOSES
ONLY**

THANK YOU

Acknowledgement:

1. JK Induk Keselamatan Pengubatan 2023/24

External Reviewers

1. Dr. Norkasih Ibrahim (UiTM)

2. Nalina Darsini A/P Panderengen (JKN WPKLP)

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik

