
Module 10 : Injecting Vitamin K

Session 5 : Safe injection practice and injection waste disposal

Day : 1

Time Required: 1 hour 10 minutes

Purpose

To introduce the basic principles of injection safety, containment & disposal by ASHA.

Objectives

At the end of session the ASHA will be able to:

1. Define safe injection principles
2. List steps in disposal of injection waste as per national guideline
3. State how to prevent needle stick injuries
4. Explain handling of waste containers

Materials

- Reading Material 1 : Safe injection practice
- Translucent puncture proof two boxes with secure cover and a plastic bag (yellow)
- Glass ampoules, vials & wrappers
- Syringes, needles and caps
- Swabs

Preparation

- Ensure availability of adequate copies of Reading Material 1, depending on the number of trainees.

Training Methods

Presentation : Principles of safe injection (25 minutes)

Instruction to trainers :

1. Trainer reads to participants the WHO definition of safe injection practice (see content box below).
2. Ask participants if they can state the benefits or outcomes of using safe injection techniques. Listen to their answers, and fill in any gaps (in line with the content box below)

Safe Injection Practice

WHO definition of safe injection

“A safe injection does not harm the recipient, does not expose the provider to any avoidable risk, and does not result in any waste that is dangerous for the community”

Outcome of safe injection technique : An injection when administered as per recommended technique:

- carries minimum risk of transmitting blood borne viruses because of the use of pre sterilized injection equipment (syringe/needle)
- carries minimum risk of local injury, infection or reaction to the recipient and
- associated with minimum risk to injection giver
- associated with no risk to community

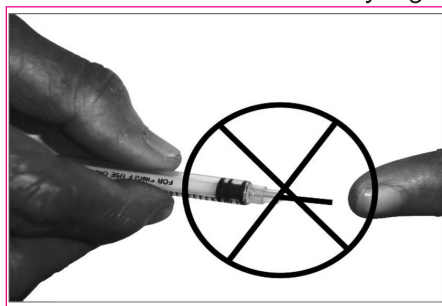
3. Explain that injection waste should be stored into following bags and boxes :

Items	Bags/box	Disposal
Broken ampoules and empty vials	Puncture proof plastic box (black)	These boxes /bags should be closed and taken to the PHC/ for terminal disposal .
Used syringes and needles	Another puncture proof plastic box	
Used Swabs	Yellow bag	

4. Explain and make sure that the trainees understand how to approach the concerned person in PHC for terminal disposal.

5. Explain prevention of needle stick injuries :

- Do not recap the needle after injecting
- Do not bend the needle
- Do not manually remove needle from a used syringe



All these are unsafe practices that expose the health workers to needle stick injuries that could lead to local injury/infection and/or potentially transmit blood borne viruses.

6. Explain handling of waste containers

- The bags should be leak proof and boxes should be puncture proof.
- The box should not be filled to more than three-fourth of its capacity as stuffing more needles in it might cause needles to stick out of the box and cause injury.
- The box should be closed securely.
- The bags and boxes should be kept at a place that is out of reach of children.
- Never transfer the used syringes/needles by hand directly from one box to another.

Demonstration : Handling of Waste Containers (10 min)

1. Pretend an injection was just given. Demonstrate what to do with the used syringe
2. Show the trainees the bags and boxes to be used for storing the injection waste
3. Explain which bag is to be used for what purpose
4. Explain that the bags are leak proof and puncture proof
5. Point out on the box the maximum height up to which it can be filled
6. Demonstrate how to put the used swabs in the yellow bag, broken ampoules and empty vials in the black box and the used syringes in the plastic box. While depositing the syringe in the plastic box remember to lift the syringe, holding the plunger. Do not touch the needle.

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7. Demonstrate the method of sealing the opening of the bag and box.

Practice (30 minutes)

1. Ask ASHAs to practice handling of waste containers.
2. Let each ASHA pretend giving injection and depositing the injection waste in proper boxes.
3. While one ASHA is practicing, the others should observe. Trainers observe carefully how ASHAs handle injection waste. Provide correction wherever necessary.

Summary (5 minutes)

- Ask one trainee the principles of safe injection.
- Ask another the method of securely storing the injection waste.
- Ask one more trainee to state how to avoid needle stick injuries.

Evaluation of the session

Objectives	Assessment Method	Output
Define safe injection principles	Questions and answers	--
List steps in disposal of injection waste as per national guideline	Demonstration	--
State how to prevent needle stick injuries	Questions and answers	--
Explain handling of waste containers	Questions and answers	--