

MODULE 2

Work Area Management



My lab provides a clean,
safe, and functional
work environment.

SLMTA Participant's Manual

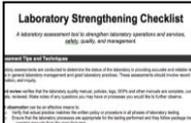
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ACTIVITY SUMMARY SHEET

ACTIVITY	Laboratory Safety Demonstrations	Module 2
PURPOSE:		
<p>Safety concerns may be overlooked in the bustle of day-to-day laboratory activities. Two interactive and light-hearted demonstrations sensitize participants to the importance of safety.</p>		

This activity supports the following laboratory management tasks and SLIPTA checklist items	
<p>Management Tasks</p> 	<p>2.3 Monitor staff adherence to safety rules & practices</p> <p>2.4 Ensure appropriate physical work environment for testing</p>
<p>Checklist Items</p> 	<p>12.4 Is the physical work environment appropriate for testing?</p> <p>12.7 Is the work area clean and free of leakage & spills, and are disinfection procedures conducted and documented?</p> <p>12.15 <u>Safety Equipment</u> Is standard safety equipment available and in use in the laboratory?</p> <p>12.16 <u>Personnel Protective Equipment</u> Is personal protective equipment (PPE) easily accessible at the workstation and utilized appropriately and consistently?</p> <p>12.17 <u>Staff Vaccinations</u> Are laboratory personnel offered appropriate vaccination and employee medical surveillance?</p>

^ **KEY MESSAGES**

- Laboratory Safety affects all the key stakeholders:
 - The patient, affecting his/her direct safety, plus the safety and integrity of the patient's sample
 - The individual laboratorian, and the entire laboratory & hospital staff
 - The community-at-large
- Laboratory Safety is everyone's concern ... and everyone's responsibility!

Can you:

- Think of and become sensitized to improper safety practices in all daily laboratory routines?
- Create a safe environment for laboratorians, patients, and the community?

✓ **SELF-ASSESSMENT**

ACTIVITY SUMMARY SHEET

ACTIVITY	Assessing Safety Incidents	Module 2
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PURPOSE:

Unsafe structures and practices impact the productivity and efficiency of laboratories. Through role-plays, participants learn to assess, document, correct, and follow-up safety incidents.

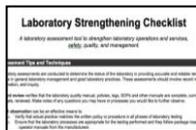
This activity supports the following laboratory management tasks and SLIPTA checklist items

Management Tasks



- 2.1 Assess any reported incidence or abnormalities
- 2.3 Monitor staff adherence to safety rules & practices
- 2.6 Ensure Safety Manual with safety procedures for laboratory functions and possible emergencies is accessible to and reviewed by all staff

Checklist Items



- 1.5 Laboratory Policies and Standard Operating Procedures Are policies and/or standard operating procedures (SOPs) for laboratory functions, technical and managerial procedures current, available and approved by authorized personnel?(Identification and Control of Nonconformities; Laboratory Safety Manual)
- 2.1 Routine Review of Quality and Technical Records Does the laboratory routinely perform a documented review of all quality and technical records?
- 10.1 Are all identified nonconforming activities/ work identified and documented adequately?
- 10.2 Root Cause Analysis Is documented root cause analysis performed for non-conforming work before corrective actions are implemented?
- 10.3 Is corrective action performed and documented for non-conforming work?
- 11.4 Are quality indicators (TAT, rejected specimens, stock-outs, etc.) selected and tracked?
- 12.7 Is the work area clean and free of leakage & spills, and are disinfection procedures conducted and documented?
- 12.15 Safety Equipment Is standard safety equipment available and in use in the laboratory?
- 12.19 Are adverse incidents or injuries from equipment, reagents, occupational injuries, medical screening or illnesses, documented and investigated?
- 12.20 Biosafety Training Are drivers/couriers and cleaners working with the laboratory trained in Biosafety practices relevant to their job tasks?

**KEY MESSAGES**

- Safety incidents cost the laboratory in terms of employee injury/illness, loss of money, and loss in productivity. Our first goal is to prevent any safety incidents. However, if and when safety incidents do occur, we must assess the risk, seek a solution, and follow-up appropriately.
- Assessing and documenting safety incidents, and implementing appropriate corrective actions are important responsibilities of laboratory management.
- Corrective actions are dictated by the nature of the incident. Corrective actions may be simple or complex. The actions required may be in the form of providing instructions or may require a system change.

Can you:

- Assess a safety incident?
- Complete an occurrence report form, focusing on accurate assessment, immediate action/s, and a proposed corrective action/s?
- Follow-up and assess the effectiveness of the corrective action?

**SELF-ASSESSMENT**

For this activity, you will need:

- [Worksheet: Occurrence Report Form](#) (201)

Occurrence Report Form²⁰¹

DATE OF OCCURRENCE 10-10-20XX DATE OF REPORT 10-10-20XX

TIME OF OCCURRENCE 09:30 Requires immediate attention by manager Yes No

PERSONNEL REPORTING OCCURRENCE M.Y. Self

PATIENT'S NAME Not Applicable PATIENT ID Not Applicable
(IF APPLICABLE) (IF APPLICABLE)P

PATIENT'S CLINICIAN Not Applicable

LOCATION OF OCCURRENCE Laboratory Work Bench

BRIEF DESCRIPTION OF OCCURRENCE _____

IMMEDIATE ACTION TAKEN (If any) _____

CORRECTIVE ACTION PLAN _____

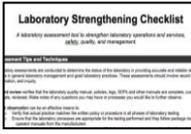
FOLLOW-UP ACTION _____

SIGNATURE OF REVIEWER _____ DATE _____

CLINIC DIRECTOR _____ DATE _____

ACTIVITY SUMMARY SHEET

ACTIVITY	Conducting a Safety Audit	Module 2
<p>PURPOSE:</p> <p>Safety is a primary concern for laboratory operations. In this activity, participants are introduced to conducting an assessment of facility and personal safety using the SLIPTA Checklist and reviewing laboratory photographs.</p>		

This activity supports the following laboratory management tasks and SLIPTA checklist items	
<p>Management Tasks</p> 	<ul style="list-style-type: none"> 2.3 Monitor staff adherence to safety rules & practices 2.4 Ensure appropriate physical work environment for testing 2.5 Ensure that safety equipment is accessible and readily available (e.g., place safety equipment such as sharp box and PPE close to work station to encourage use) 2.6 Ensure Safety Manual with safety procedures for laboratory functions and possible emergencies is accessible to and reviewed by all staff 2.7 Ensure reagents and chemicals are stored properly 2.8 Ensure that waste is properly disposed
<p>Checklist Items</p> 	<ul style="list-style-type: none"> 1.5 <u>Laboratory Policies and Standard Operating Procedures</u> Are policies and/or standard operating procedures (SOPs) for laboratory functions, technical and managerial procedures current, available and approved by authorized personnel?(Identification and Control of Nonconformities; Internal Audits; Accommodation and Environmental Conditions; Laboratory Safety Manual) 2.1 <u>Routine Review of Quality and Technical Records</u> Does the laboratory routinely perform a documented review of all quality and technical records? 2.2 <u>Management Review</u> Does the laboratory management perform a review of the quality system at a management review meeting at least annually? 6.1 <u>Internal Audits</u> Are internal audits conducted at intervals as defined in the quality manual and do these audits address areas important to patient care? 6.2 <u>Audit Recommendations and Action Plan & Follow up</u> 7.8 <u>Storage Area</u> Are storage areas set up and monitored appropriately? 12.14 <u>Safety Audits</u> Are safety inspections or audits conducted regularly and documented? <p style="text-align: center;"><u>Entire Section 12.0 – Facilities and Safety - covered by this activity</u></p>

**KEY MESSAGES**

- Safety in the laboratory is not optional.
- There are many safety practices that are in the control of the laboratorians.
- Safety is everyone's responsibility.
- The laboratory supervisor or manager must assess the facility and safety practices for compliance with standards and guidelines. The checklist is a tool for this assessment.
- Corrective Action is imperative as a follow-up to an assessment with the checklist.

Can you:

- Use the checklist to perform a safety assessment?
- Determine appropriate corrective actions for deficiencies noted during the assessment with the checklist?
- Institute improvement projects for safety deficiencies that require a systemic approach?

**SELF-ASSESSMENT**

For this activity, you will need:

- [The SLIPTA Checklist \(001\)](#)
- [Worksheet: Photo Audit Answer Sheet \(205\)](#)

Photo Audit Answer Sheet²⁰⁵

Laboratory Safety Assessment Safe versus Unsafe	Checklist Item #	Corrective Action, if indicated
1		
2		
3		
4		
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15		

Laboratory Safety Assessment Safe versus Unsafe	Checklist Item #	Corrective Action, if indicated
16		
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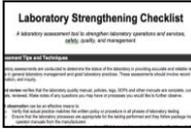
ACTIVITY SUMMARY SHEET

ACTIVITY	What did we see on the Site Visits?	Module 2
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PURPOSE:

Knowledge of good laboratory safety practices does not always result in the implementation of these practices. This activity uses actual site visit photos to highlight and discuss why these unsafe practices persist despite knowledge to the contrary.

This activity supports the following laboratory management tasks and SLIPTA checklist items

<p>Management Tasks</p> 	<ul style="list-style-type: none"> 2.3 Monitor staff adherence to safety rules & practices 2.4. Ensure appropriate physical work environment for testing 2.5 Ensure that safety equipment is accessible and readily available (e.g., place safety equipment such as sharp box and PPE close to work station to encourage use) 2.6 Ensure Safety Manual with safety procedures for laboratory functions and possible emergencies is accessible to and reviewed by all staff 2.7 Ensure reagents and chemicals are stored properly 2.8 Ensure that waste is properly disposed
<p>Checklist Items</p> 	<p><u>Entire Section 12.0 – Facilities and Safety - covered by this activity</u></p>



KEY MESSAGES

- Proper waste disposal relies on a clearly defined policy, a well designed and organized workspace, and accountability / oversight by laboratory management.
- A workspace requires physical organization. The design must be carefully thought out to reflect the way people actually work in the environment.
- A workspace requires visual organization. Visual cues that clearly communicate quickly and easily are required.

Can you:

- Articulate the lab policy for safe waste disposal?
- Spot unsafe practices in waste disposal?
- Create a workplace that is organized physically and visually to promote not only safe waste disposal, but safety in all laboratory practices?



SELF-ASSESSMENT

For this activity, you will need:

- Job Aid: Waste Disposal Decision Tree (206)

Waste Disposal Decision Tree²⁰⁶

