

Stepwise Process for Improving the Quality HIV Rapid and Recency Testing

**A Skill Intensive Training Program for HIV Testing Site Auditors towards Certification**

**Overview of Training Package**

**CURRICULUM OVERVIEW**

Emphasis on action and tangible improvement: Training content was developed based on the original **WHO/CDC HIV Rapid Testing Training Package** andthe **HIV Rapid Testing Continuous Quality Improvement Initiative (RTCQI),** comprehensive training program to improve the accuracy of HIV test result**.** This training package has been adapted to be more prescriptive, with emphasis on hands-on activities and the use of simple and practical tools and approaches to complete the quality assurance cycle and ensure the accuracy of HIV diagnostic and recency surveillance testing. This curriculum contains an Introduction and General Training Documents sections, five modules and useful resources. The proposed agenda below lists the segments in the curriculum and estimated time requirement for each activity.

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| **TERM** | **USE** |
| Handout | Provides information participants need during an activity |
| Worksheet | For use by participants during an activity to record their answers |
| Job aid | Provides tips, guidelines, and checklists participants can use back at work |
| Tool | Serves as a physical sample of a document or provides additional activity information to assist the facilitator in conducting the activity |

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| **ICON** | **USE** |
| C:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\13WNRYC7\MC900282456[1].wmf | Indicates PowerPoint slides are used; slide numbers are referenced following the icon |
| C:\Users\chn7\Pictures\clip-art00201.jpg | Indicates group activity |
| C:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\13WNRYC7\MC900432543[1].png | Denotes a data management activity |
| C:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\V1RMUMVS\MC900439824[1].png | Indicates an activity with a checklist  |
| MCj04338680000[1] | Suggests an overnight assignment |

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| **Activities** | **Purpose** | **Time** | **Worksheets/Handouts** | **Resources** |
| 1.1 | Components of Quality Assurance | Maintaining quality at a testing site will result in accurate and reliable test results, which are essential to all aspects of a client’s care and treatment. In this activity, participants will define terminology associated with quality assurance.  | 35 min | NA | Flash cards – terms and definitions PowerPoint slides: 4-8FlipchartMarkers |

**Module 1. Quality Assurance Cycle for HIV Rapid Testing**

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| 1.2 | Key Components of HIV Rapid TestingC:\Users\chn7\Pictures\clip-art00201.jpg | In order to obtain accurate and reliable test results, it is important that testers have a working knowledge and understanding of the HIV rapid tests used in their national testing algorithm. In this activity, the participants’ knowledge of the procedures for the HIV rapid tests used in the national algorithm will be tested. | 35 min | Worksheet 1.2W1 – Job Aide Test Matrix  | PowerPoint slide: 12NotepadPen |
| 1.3 | Following the correct testing procedureC:\Users\chn7\Pictures\clip-art00201.jpg | In order to get an accurate and reliable test results, it is very essential to follow correct test procedures the same way each time. In this activity, participants will gain knowledge on the order of the correct testing procedures and interpretation results for HIV rapid tests.  | 40 min | 1.3W1 – Paste job aides puzzle in correct testing order | Pre-cut pieces of job aides |
| 1.4 | Identify Errors in the HIV logbook | A standardized logbook is an ongoing quality assurance monitoring tool. Relevant testing information is not completely captured in the HIV logbook. To recognize common errors that may be detected while reviewing HIV logbooks.  | 40 min | 1.4H1- Completed logbook page examples1.4W1- Logbook data review | PowerPoint slides: Logbook Activity 1.4 slides 2-18FlipchartMarkers |
| 1.5 | Factors Contributing to Quality | To ensure the quality of HIV testing, you need to look at all the activities, direct or indirect, that may contribute to quality. In this activity, participants will identify positive and negative factors that affect quality of testing and which component of quality assurance they refer to.  | 40 min | N/A | PowerPoint slides: 16-26 Flipchart Markers Cabbage ball |

**Module 2. Introduction to Site Audits**

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| **Activities** | **Purpose** | **Time** | **Worksheets/Handouts** | **Resources** |
| 2.1 | Audit Requirements and techniquesC:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\13WNRYC7\MC900282456[1].wmf | The audit techniques is primarily intended for use as a guide to ensure a solid foundation in verifying the quality of HIV rapid test at testing sites. This activity will focus on the purpose of an audit, understanding the audit requirements and process as well as the different methods to audit a site. | 30 mins | N/A | PowerPoint Slides 2-11Flip ChartMarkers |
| 2.2 | Professional ethics for SPI-RT auditorsC:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\13WNRYC7\MC900282456[1].wmf | Understanding what an auditor can or cannot do before during and after auditing a site is very critical. Thus it is important to become familiar with SPI-RT Auditor Code of Ethics and Code of Conduct Rules and how to adopt these codes for SPI-RT auditing. | 30 min | N/A | PowerPoint Slides 2-15Flip ChartMarkers |

**Module 3. Introduction to SPI-RRT Checklist**

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| **Activities** | **Purpose** | **Time** | **Worksheets/Handouts** | **Resources** |
| PPT | Introduction to SPI-RT Checklist | The Stepwise Process for Improving the Quality of HIV Rapid and Recency Testing (SPI-RRT) checklist for use in HIV-related testing is primarily intended for use as a guide to C:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\13WNRYC7\MC900282456[1].wmfC:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\V1RMUMVS\MC900439824[1].pngassist and promote consistency in the application of quality management systems to improve healthcare services in resource-constrained settings and in low and middle-income countries. This activity will focus on reviewing how the SPI-RRT checklist is structured, how to use the users’ guide and understanding the scoring system. | 45min | N/A | PowerPoint Slides 2-15Flip ChartMarkers |
| 3.1 | Review SPI-RT Checklist – Role PlayC:\Users\chn7\Pictures\clip-art00201.jpg | This activity will focus on how to conduct a site audit using the SPI-RRT checklist. This activity will be demonstrated by experienced auditors | 45min | SPI-RRT Checklist and User Guide |  |
| 3.2 | Review and Participant Role-playC:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\V1RMUMVS\MC900439824[1].pngC:\Users\chn7\Pictures\clip-art00201.jpg | This activity will allow participants to familiarize themselves with the checklist by reviewing each section during small group discussions | 4hr 30min | SPI-RRT Checklist and User Guide | PowerPoint Slides 2-16Handout SPI-RRT checklist Handout SPI-RRT User’s GuideFlipchartMarkers |
| 3.3 | Identify Issues and Provide Corrective Actions | This activity will focus on how to identify non-compliance at a testing site by using the methods for conducting an audit and provide corrective actions | 1hr | N/A | Option 1 PowerPoint 2 slides 6-40 (Photos) Option 2 PowerPoint 1 slides: 6-40 |
| 3.4 | Completing the Summation Report | The summation report is a critical step of the site audit as it allows describing best practices and outlining weaknesses and areas for improvement. This activity will focus on how to complete the audit summation report and submit findings and recommendations to MOH. | 2 hr. 45 min | 3.4H1- Summation Report Scenario 13.4H2- Summation Report Scenario 23.4H3- Summation Report Scenario 33.4H4- Summation Report Scenario 43.4H5- Summation Report Scenario 5 | N/A |

**Module 4. Site Audit Tool – ODK Collect**

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| **Activities** | **Purpose** | **Time** | **Worksheets/Handouts** | **Resources** |
| 4.1 | Review SPI-RRT checklist using the Tablet C:\Users\chn7\Pictures\clip-art00201.jpg | The Stepwise Process for Improving the Quality of HIV Rapid and Recency Testing (SPI -RRT) checklist for use in HIV-related testing is primarily intended for use as a guide to assist and promote consistency in the application of quality management systems to improve healthcare services in resource-constrained settings and in low and middle-income countries. This activity will focus on how to complete the SPI-RRT checklist using the Samsung tablet and data management using ODK Aggregate. | 1 hr. 30 min | 3.4H1- Summation Report Scenario 13.4H2- Summation Report Scenario 23.4H3- Summation Report Scenario 33.4H4- Summation Report Scenario 43.4H5- Summation Report Scenario 5 | Android Tablet with checklist uploaded for data collection |

**Module 5. Conducting an Audit**

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| **Activities** | **Purpose** | **Time** | **Worksheets/Handouts** | **Resources** |
| 5.1 | Conducting a site audit using the SPI-RRT ChecklistC:\Users\chn7\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\V1RMUMVS\MC900439824[1].png | Once the SPI-RRT checklist is reviewed it is very important to perform the audit at few sites that is performing HIV rapid testing. In this activity, an audit will be performed by the participants using the standardized SPI-RT checklist.  | 2 hrs | SPI-RRT ChecklistSPI-RRT Users’ guide56.1W-1 Site audit summary report | PensAndroid tablet with checklist uploaded |
| 5.2 | Site Audit Summation report | The summation report is a critical step of the site audit as it allows describing best practices and outlining weakness and areas for improvement. This activity is an independent activity for all inspectors to provide a summary of their audit findings.  | Overnight | 5.1W-1 Site audit summary report | Computer for data analysis |