



THE TB SAMPLE REFERRAL SYSTEM (TSRS) TRAINING

Module 8

TSRS DOCUMENTATION

xXth -xXth MONTH YEAR

NAME OF PRESENTER

OUTLINE

- Areas to be Addressed By Sample Referral document
- Specimen referral guidelines/handbook
- Examples of sample referral documents

Exercise (10 minutes)

1. Give kind of document would you require while transporting TB samples from lab A to C.

Sample referral documentation

Sample referral documentation key to success of specimen referral.

- SOPs
- Job Aids
- Guidelines
 - 🚌 Sample referral guidelines.

Client handbook

Areas to be Addressed By Sample Referral documentation

- Specimen collection
- Packaging
- Transportation
- Temperature control or cold chain maintenance in transportation
- Specimen and shipment tracking
- Biosafety and Biosecurity
- Spill containment and cleanup

Results return

Other documents

- Referral forms and registers
- Tracking slips
- Chain of custody forms
- Transport logs and data collection tools for M and E purposes

Specimen referral guidelines/handbook

- A Guideline on sample referral
- Developed by the referral laboratory and communicated with all stakeholders involved in collection, packaging and transport of specimens i.e.

🚐 Doctors

🚐 Laboratory staff

🚐 Couriers

Sample referral handbook/guidelines contents

Instructions on:

- Request form completion
- Patient preparation
- Sample collection and handling
- Sample packaging
- Sample transportation
- Sample acceptance and rejection criteria
- Biosafety

Examples of sample referral documents

- Request and Report form for TB Culture and DST
- TB Specimen Rejection Log
- TB Specimen receipt and Testing Register
- Transport/chain of custody log

Examples of sample referral documents...cont

- Specimen Referral and transport log
- Integrated specimen shipment inventory log

Example of a TB specimen referral register²¹

S. No.	Name of patient	Age	Medical record No. (MRII)	Lab Serial No.	Type of sample	DD/MM/YY of sample collection	DD/MM/YY of sample picked up	Shippers name	DD/MM/YY results received from Lab	Results	DD/MM/YY results given to the patient / HCW	Sample rejected	Turn-around time (TAT)	Name and signature of technician	Remark
	Address	Sex				Time	Time	Signature	Time		Time				

Example of a TB specimen rejection log

TB Specimen Rejection Log															
Name of Laboratory: _____					Contact Person: _____										
For type of Specimen:		Enter S (sputum), GA (gastric aspirate), CSF (cerebrospinal fluid), BAL (Bronchioalveolar fluid), C (culture), or write in other specimen types													
For test requested:		Enter M (microscopy), X (Xpert MTB/RIF), FL-LPA (first-line line probe assay), SL-LPA (second-line line probe assay), or write in other tests													
For Reason Rejected:		Tick appropriate box or write in reason													
Referring facility	Patient name or ID	Type of specimen	Test requested	Date received	Reason Rejected								Date rejection notice sent	Rejected by (initials)	
					Inadequate volume	Specimen leaked	Specimen contaminated	Specimen label missing or illegible	incomplete or missing examination form	Transport time exceeded maximum allowed time	cold chain not maintained	Other			

Example of a TB specimen receipt and testing register²² – Part 1

S. No.	Lab No.	Name (in full) & Address	Sex (M/F) & Age	Name of referring site (DMC/DOTS-plus site) & District	Reason for Testing (mark one)				Specimen	Date Specimen Collected from Patient	Date Specimen Received in culture lab	Specimen Condition (CPC or [MP, BLD, SAL, Contam]) †	Culture lab concentrated smear result ‡
					Diagnosis		Follow-up						
					TB No.	TB Type*	DOTS-Plus No.	Month of F/U					
									A				
									B				
									A				
									B				

Part 2

Culture Results				Standard DST Results							Date Sending Report to DOTS-Plus Site & DTO		
Date Inoculated	Type (Solid / Liquid)	Culture Results §	Date Result Reported	Date Inoculated	Type (Solid / Liquid)	RIF (R/S)	INH (R/S)	SM (R/S)	EMB (R/S)	Date Result Reported	Culture	DST	Remarks

Example of a transport (chain of custody) log

To be completed for samples or results being transported from site to site, kept by laboratory porter or in vehicle								
Date of pick-up (DD-MM-YYYY)	Time of pick-up (HH:MM)	Total number of items transported (samples or results)	Pick-up site	Shipper initials	Date of drop-off (DD-MM-YYYY)	Time of drop-off (HH:MM)	Drop-off site	Recipient initials

Example of an integrated specimen shipment inventory log

Submitting Center

Center Name: _____
 No. specimens shipped: _____
 Date and time of pick-up: ____/____/____ ____:____
 Signature: _____

Submitting Center: Complete the Patient identifier and place an X in 'f' box for each test requisition form submitted and in 's' box for each specimen submitted.

Receiving Laboratory

Laboratory Name: _____
 No. specimens received: _____
 Date and time of delivery: ____/____/____ ____:____
 Signature: _____

Receiving Laboratory: In the bottom line, place X in 'f' box for each test requisition form received and in 's' box for each specimen received. Use comments section to describe discrepancies.

Patient identifier or name	HIV Diagnosis		EID DNA PCR		DBS	Viral load		EDTA Tube, purple	TB - AFB Mikroskopy		Sputum	TB - Xpert MTB/RIF		Sputum or other specimen		TB - LPA	Sputum or culture		TB - Culture		Sputum or other specimen		TB - DST		Sputum or culture		Hepatitis	Red or yellow tube		Hematology		EDTA Tube, purple	Chemistry		Red or yellow tube		Comments
	f	s	f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s			
	f	s	f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s		f	s			

Assessment

1. What are the key areas that should be addressed by Sample Referral documentation in a TSRS?
2. Outline the sample referral documents and the function

Summary

- Ample time should be given for TSRS document development because it's a key driver in the success of the system
- Document should capture data that can be used in monitoring and evaluation of set objectives or indicators
- The expected users of TSRS documents should be trained on the documents before enrolment of the documents

References

- GLI TB training package
<http://www.stoptb.org/wg/gli/trainingpackages.asp>
- Global tuberculosis report 2019,
<https://apps.who.int/iris/bitstream/handle/10665/329368/9789241565714-eng.pdf?ua=1>
- GLI guide to TB specimen referral systems and integrated network
http://www.stoptb.org/wg/gli/assets/documents/GLI_Guide_specimens_web_ready.pdf
- Guidelines for the Uganda national health laboratory hub and sample transport network
<http://cphl.go.ug/sites/default/files/2019-06/Hub%20Guidelines.pdf>

Acknowledgments

