



Republic of the Philippines
Department of Health
OFFICE OF THE SECRETARY

DEPARTMENT MEMORANDUM

No. 2014 - 0218

FOR : ALL REGIONAL OFFICES (RO) - NATIONAL TUBERCULOSIS CONTROL PROGRAM (NTP) COORDINATORS

SUBJECT : Implementation of Xpert MTB/RIF under the revised NTP Manual of Procedures (MOP), 5th ed.

DATE : 7 July 2014

The revised MOP recommends Xpert MTB/RIF as a diagnostic tool for TB in smear negative patients with chest X-ray findings, TB in children, selected types of extra-pulmonary TB, drug-resistant TB and PLHIV with signs and symptoms of TB. However, review of current logistical status of Xpert MTB/RIF commodities by NTP and partners indicate possible shortage of supplies in view of forecasting and procurement issues. In order to ensure smooth implementation of the revised MOP and optimize available stocks, the following measures are directed until such time that adequate supply of Xpert MTB/RIF cartridges and machines become available.

- 1) Xpert MTB/RIF shall be used in the diagnosis of **all re-treatment cases, presumptive TB in children and people living with HIV (PLHIV) with signs and symptoms of TB**. External referrals for the aforementioned cases shall follow the zoning mechanism jointly prescribed by RO and the National TB Reference Laboratory (NTRL).
- 2) Screening of **smear negative patients (with chest X-ray findings)** by Xpert MTB/RIF shall be **limited** to patients **within the DOTS facility's catchment area** where the Xpert MTB/RIF is located.
- 3) Screening of extra-pulmonary specimens shall be **limited** to **gastric aspirate, cerebrospinal fluid (CSF) and pleural biopsy** or as recommended by NTRL based on WHO recommendations.

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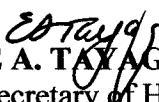
- 4) All existing Xpert MTB/RIF sites shall submit **Report 1. Quarterly report on TB microscopy and Xpert MTB/RIF laboratory examinations** (as attached) and request their quarterly cartridge needs using **Report 4. Quarterly report on drug and supply inventory and requirement** (as attached) to respective ROs as prescribed by the NTP-MOP. The RO, in turn, shall submit consolidated quarterly report of accomplishment and request to NTRL for allocation and distribution.

- 5) All existing Xpert MTB/RIF sites shall ensure that cartridges are adequately stored within the recommended temperature of 2 – 28 °C to prevent possible wastage.

This memorandum hereby directs all RO-NTP Coordinators to advise **all existing Xpert MTB/RIF sites** in their respective jurisdiction to implement accordingly as above.

For your information and compliance.

By Authority of the Secretary of Health:


ENRIQUE A. TAYAG MD, FPSMID, PHSAE, CESO III
Assistant Secretary of Health
Head, Support to Service Delivery Technical Cluster II

Report 1. Quarterly Report on TB Microscopy and GX Laboratory Examinations
 (Source of Data – Form 3. NTP Laboratory Register, Microscopy and GX)

Name of CHD: _____

Report for the period: ____ Quarter of ____

Name of Province/City: _____

Date Reported: _____

Name of DOTS Facility: _____

Prepared by: _____

Population of catchment area: _____

Designation: _____

For Province, City and Regional level:

Total no. of TML that submitted reports	
Total no. of TML	

 Casefinding:

Laboratory Activities	DSSM	Xpert		
		New	Relapse	Other Retreatment Cases
1. No. Examined				
2. No. with positive examination result: *				
3. Positivity Rate**				
4. No. with rifampicin resistance				
5. No. with rifampicin resistance not detected				
6. No. with rifampicin resistance indeterminate				
7. No. with error/invalid result				
8. No with MTB not detected				

* For Xpert, all MTB positive result

** Positivity Rate = #2 / #1

Treatment Follow-up (DSSM only):

9. No. of follow-up cases examined	
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Report 4. Quarterly report on drug and supply inventory and requirement
(Data Source- Stock Inventory Records and Program Reports)

CHD: _____
 Province/City: _____
 Municipality: _____
 DOTS Facility: _____
 Total population of catchment area: _____

Report for _____ Quarter of _____
 Date reported: _____
 Prepared by: _____
 Designation: _____

A. Quarterly Drug Inventory and Requirements

Treatment Regimen	Category 1 TB Kits (Adult)	Category 2 TB Kits (Adult)	Category 1 TB Kits (Children)	Category 2 TB Kits (Children)
New cases				
Retreatment cases				
Total Stocks Required in a quarter (A)				
Stock + buffer (B=Ax2)				
Stock on hand (C)				
Total kits to request (=B-C)				

For DOTS Facilities:

Did your facility experience stock-outs of Cat 1 anytime during this quarter?

- YES
 NO

For province, city and regional level:

No. of DOTS Facilities with stock-outs of Cat 1 in this quarter	
Total no. of DOTS facilities	

B. Quarterly Inventory and Requirements for Laboratory Supplies (Xpert MTB/Rif)

	Xpert cartridge	conical tubes/ sputum cups (in pieces)
Number of Xpert MTB/RIF run in past quarter (A)		
Total laboratory supplies required in a quarter, with buffer (B)=Ax2		
Stock on Hand (C)		
Total quantity of supplies to request (=B-C)		

C. Annual Inventory and Requirements for Laboratory Supplies (DSSM)

	Sputum cups (in pieces)	Glass slides (in pieces)	Immersion oil (in bottles)	Staining Kit (in bottles)
Presumptive TB with DSSM done in past year (A)				
Number of follow-up DSSM done in past year (B)				
Total laboratory supplies required in a year (C)	$= (A \times 2) + B$	$= (A \times 2) + B$	$= \frac{(A \times 2) + B}{600}$	$= \frac{(A \times 2) + B}{125}$
Stock + Buffer (D) (=Cx2)				
Stock on Hand (E)				
Total quantity of supplies to request (=D-E)				

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