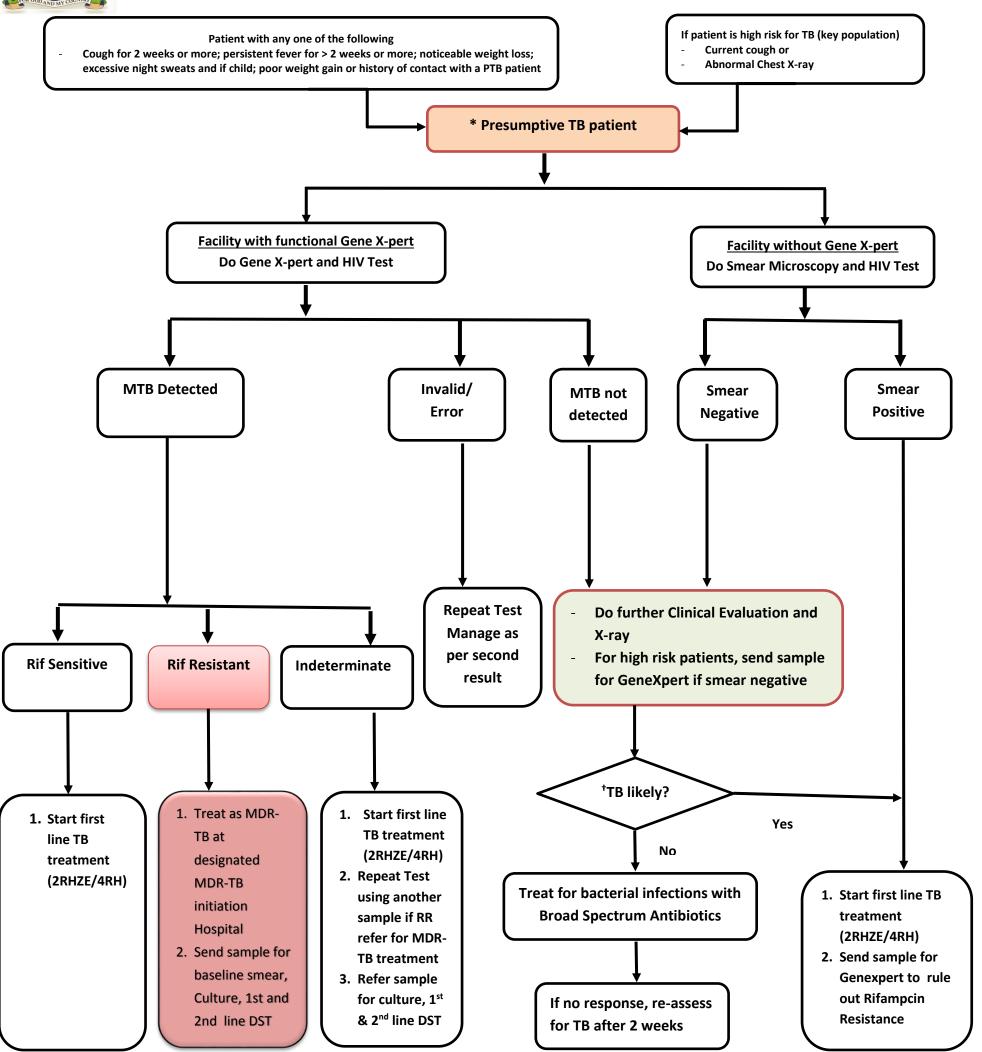


National Tuberculosis and Leprosy control Program Algorithm for TB Screening, Diagnosis and Management



- 1. *Presumptive TB is presence of any or a combination of the following symptoms; cough≥ 2weeks or current cough if high risk patient, fever, night sweats, history of contact with a TB case, weight loss or poor weight gain for children. Also consider abnormal chest x-ray in a high risk patient as presumptive TB
- 2. "High risk patients" include PLHIV, previously treated TB patients, prisoners, contacts of TB patients, diabetic patients, health workers, miners and refugee populations
- 3. Smear positive (AFB positive): is defined as at least one positive smear
- 4. Smear negative: defined as two negative smears. If patient is from high risk category, send a sample for GeneXpert test
- 5. **†TB likely:** Abnormal Chest X-ray findings suggestive of TB e.g. cavitation, pleural effusion, miliary picture, hilar lymph nodes
- 6. **HIV positive patients:** Presumptive or diagnosed TB patients who are HIV positive should be offered comprehensive HIV care services. Chest x-ray should be used to screen for active TB for all PLHIV enrolling in care. Those in whom TB has been excluded should be offered IPT as per IPT guidelines. HIV positive adults in whom TB is not picked by microscopy or GeneXpert and are very sick (CD4 less than 100) should be tested for TB using **Urine TB LAM test.** If positive, treat as clinically diagnosed TB.
- 7. **Treatment monitoring**; Follow up sputum smear microscopy should be done at the end of 2, 5 & 6 months for susceptible TB and monthly smear and culture for DR-TB.
- 8. **Recording & Reporting**: All diagnosed TB patients (resistant, sensitive, and indeterminate) record in the Unit TB register and included in facility quarterly(HMIS 106a) notification report and all rifampicin resistant(RR) TB patients should be notified in the weekly (HMIS 033b)report by the facility that refer the sample for Gene Xpert test. In addition record RR TB patients in the district line list and the Drug resistant TB register at the treatment initiation facility.