

# Screening Algorithm for Pulmonary Tuberculosis

# Does the client have any one or more of the following signs and symptoms?

# TB Signs and symptoms in Adults and Children

- 1. Cough of any duration
- 2. Persistent fever (Temperature > 37.5°C)
- 3. Drenching night sweats
- 4. Unexplained weight loss
- 5. Chest pain
- 6. Difficulty in breathing
- 7. Fatigue (lethargy)
- 8. History of contact with a person with TB or chronic cough

#### **Other TB Sign in adults**

1. Body Mass Index (BMI) < 18.5

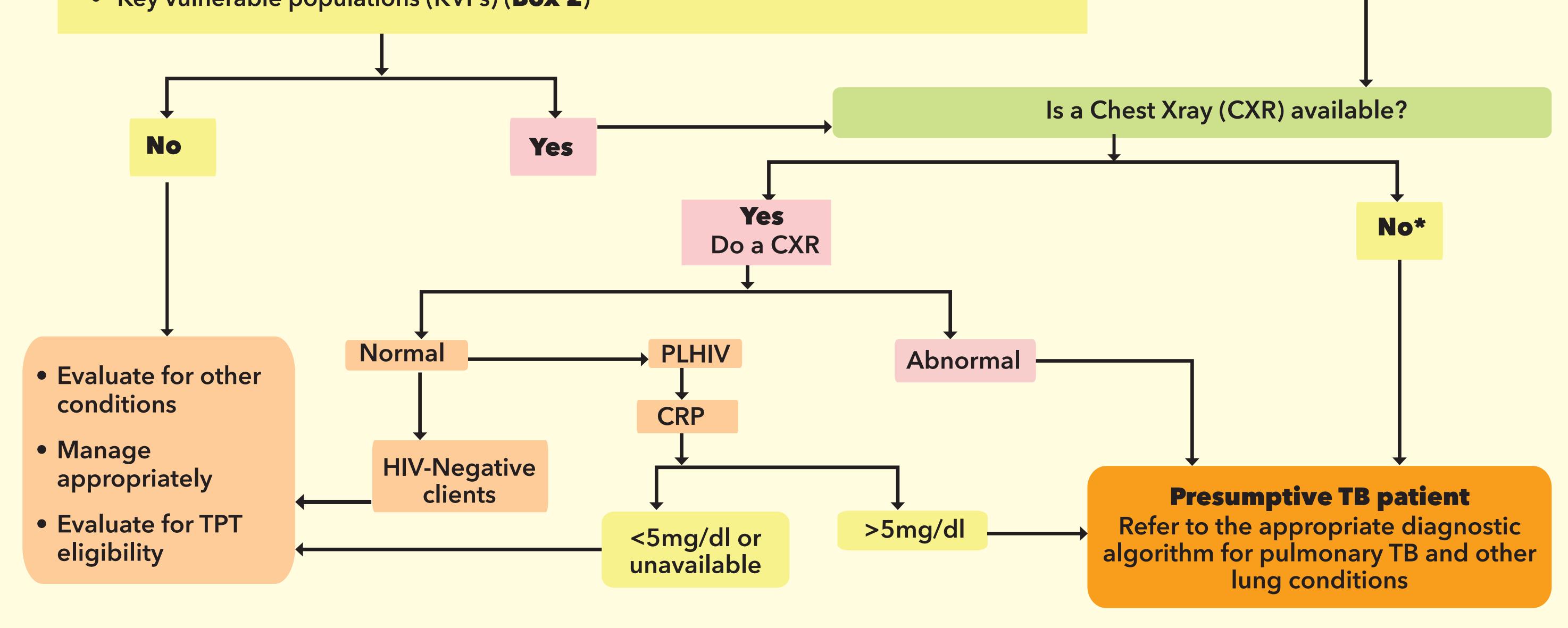
#### Other TB Signs and symptoms in Children

- 1. Poor weight gain or faltering of the growth curve
- 2. Z-score < -2 (for weight-for-age or height-for-age)
- 3. Reduced playfulness / less active (lethargy)

### Does the patient have any of the following;

No

- Advanced HIV Disease (AHD) (CD4 <200 cells/mL or WHO Stage 3/4) in the following:
  - Newly diagnosed (People Living with HIV)
  - PLHIV PLHIV returning to care after treatment interruption of 3 months or longer
  - Suspected treatment failure for ART
  - Children Living with HIV <5 years (except those on ART > 1 year, virally suppressed and clinically stable)
- NEW: Baseline for all newly diagnosed PLHIV
- Social/occupational risk factors (Box 1)
- Key vulnerable populations (KVPs) (Box 2)



#### **Box 1: Social/Occupational Risk**

- 1. HCWS
- 2. Mine workers
- 3. Prisoners and wardens
- 4. Refugees, migrants, and displaced populations
- 5. Urban poor communities, homeless communities

#### Box 2: Key and Vulnerable populations (KVPs)

- 1. Patients with diabetes
- 2. Patients on dialysis
- 3. Patients with cancer
- 4. Patients with immunosuppressive conditions/therapy

### \* If No CXR for PLHIV, do CRP if

• >5mg/dl - Consider Presumptive TB

Yes

 <5 mg/dl - Evaluate for other conditions, Manage appropriately, Evaluate for TPT eligibility