S1 Fig. Flowchart of Latent tuberculosis infection screening process.

Registration of client and check eligibility LTBI screening

Health assessment through health questionnaire

- Treated TB disease in the past
  - NO
    - Positive IGRA in the past
      - NO
        - Complaints (>3 weeks) suggestive for TB disease*
          - NO
            - Immune suppressive illnesses** or medications***
              - YES
                - Chest X-ray
          - YES
            - Chest X-ray + Consultation TB physician
              - TB disease?
                - YES
                  - Treatment of TB disease
            - NO
              - Chest X-ray

LTBI testing

Persons age <12 years

- Tuberculin Skin Test (TST)
  - TST <5 mm
    - Exclude TB disease
      - Chest X-ray + anamnesis
        - No TB disease
          - Age ≥5 years
            - BCG vaccinated
              - TST <10 mm
                - IGRA
                  - Negative
                    - No LTBI
                      - Consider BCG vaccination, if it is a child and has not been vaccinated
                  - Positive
                    - LTBI
                      - Offer LTBI treatment
              - TST ≥10 mm
                - No BCG / BCG vaccination unknown
                  - IGRA
                    - Negative
                      - No LTBI
                      - Offer LTBI treatment
                    - Positive
                      - LTBI
                        - Offer LTBI treatment
          - Age <5 years
            - No TB disease

Persons age ≥12 years

- IGRA
  - Negative
    - Exclude TB disease
      - Chest X-ray + anamnesis
        - No TB disease
          - TB disease
            - Treatment TB disease
          - TST <10 mm
            - IGRA
              - Negative
                - No LTBI
                - Offer LTBI treatment
              - Positive
                - LTBI
                  - Offer LTBI treatment
          - TST ≥10 mm
            - No BCG / BCG vaccination unknown
              - IGRA
                - Negative
                  - No LTBI
                  - Offer LTBI treatment
                - Positive
                  - LTBI
                    - Offer LTBI treatment
          - TB disease
            - Treatment TB disease
  - Positive
    - Exclude TB disease
      - Chest X-ray + anamnesis
        - No TB disease
          - TB disease
            - Treatment TB disease
          - TST <10 mm
            - IGRA
              - Negative
                - No LTBI
                - Offer LTBI treatment
              - Positive
                - LTBI
                  - Offer LTBI treatment
          - TST ≥10 mm
            - No BCG / BCG vaccination unknown
              - IGRA
                - Negative
                  - No LTBI
                  - Offer LTBI treatment
                - Positive
                  - LTBI
                    - Offer LTBI treatment

*Complaints: Cough, fever (>38 degrees Celsius), night sweats, poor appetite / weight loss
**Immune suppressive illnesses: Inflammatory bowel disease, kidney failure / dialysis, diabetes, HIV/AIDS, cancer, organ transplantation, psoriasis, rheumatism, sarcoidosis, silicosis
*** Immune suppressive medications: Prednisone / Dexamethasone / Methotrexate, TNF-alpha blockers (biologics), cancer medication, medication following organ transplantation