

Research Questions:

- What is the impact of diabetes and chronic lung damage on TB progression?
- What are the treatment needs for minimal or incipient TB?
- Can early diagnosis prevent Post-TB lung damage?
- What is the immunological basis of persistent IGRA negativity despite prolonged *M.tb* exposure?

WP1:

Identify the clinical phenotype associated with progression to TB



Baseline Measurements:

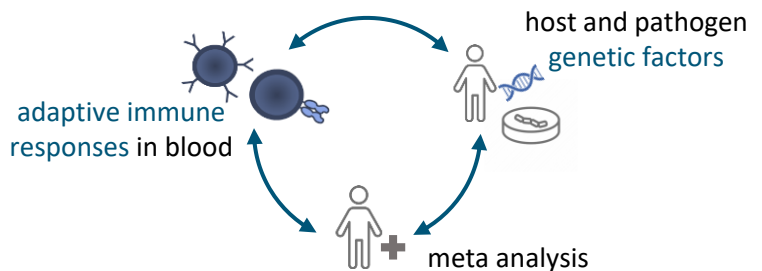
- HbA1c testing
- Spirometry



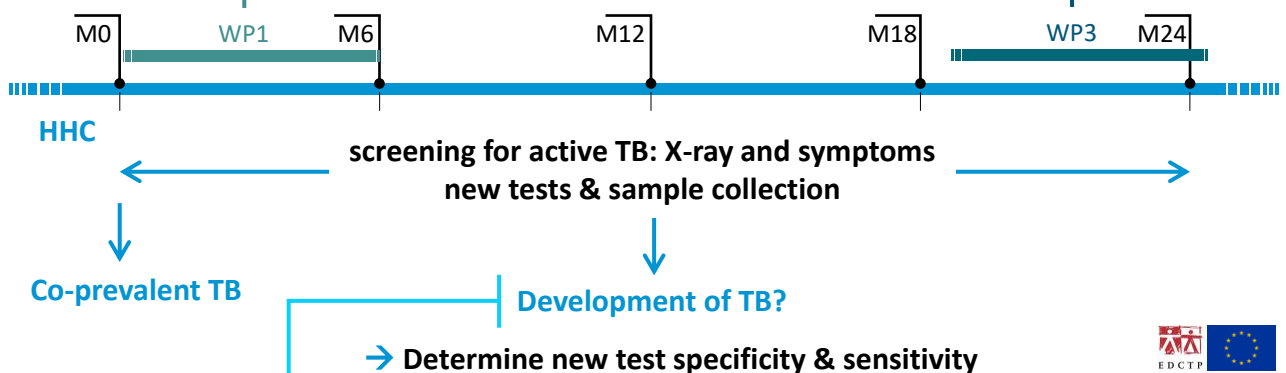
→ Calculate the effect of pre-TB lung function and diabetes on disease progression

WP3:

Characterise adaptive immune response & host and pathogen genetic factors in persistent IGRA negativity

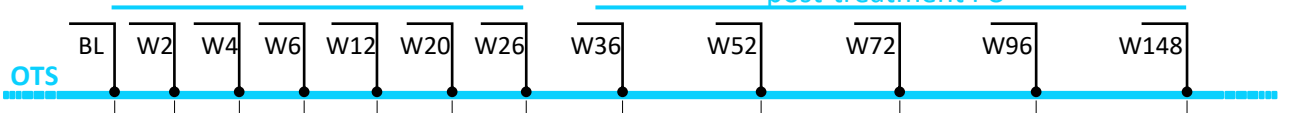


Early Risk Assessment in TB contactS by new diagnostic tests
Tuberculosis Household Contact (HHC) Study
2100 HHC: Zimbabwe, Mozambique, Tanzania



WP2:

Evaluate treatment response biomarkers & evolution of lung impairment in an on-treatment sub-study



→ assess minimal/incipient TB treatment needs → evaluate post TB lung impairment after early diagnosis

- AIM:**
- To develop a more accurate prediction of a person's risk for progression to TB
 - To develop tests and recommendations to steer preventive treatment