

## **Association of Tuberculosis with Indoor Air Pollution Due To Biomass Use among Women of Gadap Town, Karachi - A Pilot Study**

**Department:** Community Health Sciences

**Project Sponsors:** University Research Council (URC) Aga Khan University, Karachi

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### **Summary:**

This project aims to determine the risk of development of pulmonary tuberculosis due to indoor air pollution among rural women using biomass fuel (wood, crop residues, cow-dung, etc.) for cooking.

Almost 80% of rural households and particularly women, in Pakistan rely on biomass fuel for cooking. Recent survey in Pakistan estimated prevalence of 231/100,000 of TB in Pakistan (ranked 8<sup>th</sup>). Few studies with inconclusive evidence suggest a Relative Risk: 1.5-3.0 between biomass use and TB development. Determining risk factors of TB in local context will help design interventions which will expedite the TB control in Pakistan and similar developing countries.

### **Objective:**

The objective of the study is to evaluate the association of TB with indoor air pollution due to biomass use among women of Taluka Gambat, district Khairpur, Sindh, Pakistan.