

The Academic Service Center of Walailak University has initiated a campaign in laboratory testing for Leptospirosis in Phrom Khiri Hospital and service area, aimed at improving community health and reducing the incidence of leptospirosis infections. The project seeks to enhance the effectiveness of controlling and preventing the spread of leptospirosis in the community by integrating laboratory testing data and health education plans. Additionally, to promote the collaboration between the university, community hospitals, and local administrative agencies. The goal is to educate at-risk populations, reduce the incidence of leptospirosis outbreaks in the Phrom Khiri Hospital service area, such as farmers, veterinarians, and those who work closely with animals, by organizing activities and providing services free of charge in 2024.

1. Walailak University, led by Assistant Professor Issra Prachongsai, in collaboration with the Phrom Khiri Hospital laboratory, has submitted an ethics application for human research to study the incidence of leptospirosis using leftover blood samples from medical analyses. This has been submitted to the Ethics Committee of Walailak University. Testings for leptospirosis were conducted in samples from suspected patients, using rapid test kits and novel molecular-methods. This test have been developed in collaboration with the Faculty of Medicine Siriraj Hospital, Mahidol University which showed the greater specificity for leptospirosis at initial study.
2. The confirmed data obtained by the novel method was used as tool to assess the real incidence and trends of leptospirosis outbreaks in the area.



3. The project aligns the meetings in the collaborations with health promotion section, Phrom Khiri hospital to improve educational plans on leptospirosis. These plans rely on highly accurate laboratory data to create outbreak maps and identify target areas for preventing the exposure to contaminated environments, such as stagnant water or transmission from livestock.



