



## Model development of pre-extensively drug-resistant and extensively drug-resistant tuberculosis patient care in Health Regional 10

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### ABSTRACT

The study aimed at developing patient care model and TB control for pre-extensively (Pre-XDR TB) and extensively drug-resistant tuberculosis (XDR-TB) patient. The research was conducted in five provinces under Health Regional 10 where Pre-XDR TB and XDR-TB patients were in 16 hospitals. The participants consisted of doctors, nurses, public health officers, public health volunteers, patients and their relatives in the area. Research duration was from October 2019 to September 2022. The study methods were divided into three stages: 1) analyzing the problem 2) designing activities and developing patient care model, then applying the developed model to the patients in the area. 3) evaluating.

The result showed that there was no patient care management for Pre-XDR/XDR-TB patient, there was conflicting referral system and there was a lack of consulting system from specialist. Pre-XDR/XDR-TB patients, moreover, suffered from malnutrition and had economic and social problems. The Pre-XDR/XDR-TB patients care model composed of expertise committee development, team potential-enhancement, collaborative role assignment and guideline development, and knowledge sharing arrangement. During this project, there were 18 patients with Pre-XDR TB or XDR-TB which were 13 treatment cured cases and 5 on-going treatment cases. Also, there was the existence of patient care specialist network, epidemic control investigation network, and Pre-XDR/XDR-TB patient care model in communities in Health Region 10.



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## BIOGRAPHY

Sathien Chuaelee has completed his Master degree at the age of 53 years from Mahasarakham University, Thailand. He is the head of Public health Officer Strategy and Planning department of The Office of Disease Prevention and Control, Region 10 Ubonratchathani, DDC, Thailand. He has over 20 publications that have been cited over 200 times.

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