

Investigation and Containment Measures of the Dengue Outbreak in Tainan City, 2019

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Abstract

In 2019, an indigenous dengue fever outbreak, with 31 confirmed cases, threatened Tainan City. The outbreak included several epidemiologic-related clusters, and cases were distributed throughout the city. In response to this outbreak, a partnership was established between Taiwan Centers for Diseases Control, the Tainan City government, and National Health Research Institute. We set up several platforms, including LINE groups and emergency response sessions, for real-time discussion and decision-making. We also assembled technical staff to conduct the larvae elimination project in the affected districts. As of December 6 (31 days from the onset date of the last case), no new case was discovered. This article described the process of a dengue fever outbreak containment and shared experience for further similar outbreaks.

Keywords: Tainan city, indigenous dengue fever, clusters, partnership

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