

CLINICAL CHARACTERISTICS AND METEOROLOGICAL PATTERNS OF ZIKA VIRUS INFECTION IN CHIANG MAI PROVINCE, THAILAND

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Abstract. Zika virus is an emerging mosquito-borne pathogen, with outbreaks occurring worldwide. However, clinical characteristics and meteorological patterns of Zika infection are not well established. In 19 cases of confirmed Zika infection in Chiang Mai from June - November 2016, rash was the most common (89%) symptom, followed by conjunctivitis (53%), fever (47%), arthralgia, headache and malaise/fatigue (each 37%), and myalgia (32%). Zika-infected subjects had visited a Zika virus-infected area within the previous two weeks or resided within a 100-m radius of an individual with Zika infection. Emergence of Zika virus cases followed onset of rainfall by approximately one month.

Keywords: Zika virus infection, clinical manifestation, meteorological pattern, Chiang Mai, Thailand

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