

Thesis Title Dengue Virus Surveillance at Lamphun
Province in One Year

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ABSTRACT

The objectives of this study were to find the type distribution of Dengue Virus at each Amphur in Lamphun Province and compared with other places in Thailand. The association of age, sex and grading of severity, and type of the virus, the association between time and morbidity rate including the association between number of patients in each Amphur and each month. It was Descriptive Study, by using a seroepidemiological survey in out and admitted patients from every community hospital of Lamphun Province who were diagnosed as haemorrhagic fever cases and found on May to September, 1989. The Techniques used in this study were Haemagglutination Inhibition (HI) Test to determine serological antibody, virus isolation in tissue culture and virus identification by using Indirect Fluorescent Antibody Staining Technique.

The results showed that in Amphur Maung Lamphun Dengue Virus was type 1 and in Amphur Banhong Dengue Virus was type 2 and others Amphur could not find any types of virus. No association between age sex, grading of severity and isolated types of the virus. ($p\text{-value} > 0.05$) and the highest morbidity rate per 100,000 of population in Lamphun Province was 4.1 in July. The incidence rates by month in each Amphur were difference.

