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Letter to editor

Emerging of dengue infection after big flood in Thailand: a concern

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Editor, dengue is an important tropical borne mosquito infection. This infection is very common in Southeast Asia especially for Thailand and nearby country. There are several factors that lead to the emerging of dengue infection. Here, the author presents the interesting observation on emerging of dengue infection after big flood in Thailand. In mid 2010, big flood occurs around Thailand. About 30% of total area of Thailand was occupied by water. Interestingly, a sharp increase of dengue prevalence was reported in many provinces. Up to 83% increasing of prevalence was noted by Thai Minister of Public Health (<http://thairecent.com/Breaking/2010/695901/>).

It can be shown that the flood as natural disaster is an important crisis that leads to the emerging of dengue infection. This observation is very interesting. There is no systematical study to assess the effect of flooding on dengue prevalence. Indeed, heavy rainfall is proved to be an important factor relating to the emerging of dengue[1]. The change of ambient temperature and humidity concordant with heavy rainfall during flood period is believed to be the determinant of the prevalence of dengue[2].

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