

Outbreak Investigation Express

Integrated Control Measures in Responding Scrub Typhus Epidemic in Kinmen County, 2014

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Abstract

The first confirmed scrub typhus case was occurred in Kinmen County in the 20th week, and revealed the beginning of scrub typhus epidemic in 2014. Since the trend of scrub typhus epidemic was similar to the recent summit of epidemic in 2011, we analyzed historical scrub typhus epidemic trends, patterns of mites' activities, characteristics of scrub typhus transmission, farming harvest and climate, and contemporarily evaluate control measures of three perspectives including strengthened environmental control measures, personal protection education and medical treatment for more effectively control. We propose integration of resources, solid implementation of environmental sanitation and mice control to control scrub typhus epidemic in a more effective and timely manner.

Keywords: scrub typhus, Kinmen County, monthly mean temperature, monthly mean relative humidity

The Taiwan Epidemiology Bulletin series of publications is published by Centers for Disease Control, Ministry of Health and Welfare, Taiwan (R.O.C.) since Dec 15, 1984.

Publisher : Hsu-Sung Kuo

Editor-in-Chief : Tsuey-Fong Lee

Telephone No : (02) 2395-9825

Executive Editor : Chien-Chun Chen, Hsiu-Lan Liu

Website : <http://www.cdc.gov.tw/teben>

Address : No.6, Linshen S. Road, Taipei, Taiwan 100 (R.O.C.)

Suggested Citation :

[Author].[Article title].Taiwan Epidemiol Bull 2013;29:[inclusive page numbers].