

1.Title of the abstract: MSQ’s website development for three borders surveillance

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3.Background: Currently, travel communication with each others to cross borders upward trend such as trade, investment, or even tourist by pass the ways airport, friendship bridge, quarantine, crossing point, border gateway etc. In Thailand there are initiated East West Economic corridor or EWEC development program in order to promote and integration of 5 Southeast Asian countries namely: Myanmar, Thailand, Laos, Cambodia and Vietnam. Mukdahan province Thailand Savannakhet Laos and Quang Tri Vietnam or MSQ have along border connect distance 344 kms is a part of this program which Mukdahan cross border to Savannakhet by Thai-Lao friendship bridge II and Lao Bao-gateway border to Quang Tri Vietnam. Each year more than one million people are crossed.

Absolutely there may be a subsequent spreading of diseases.As mentioned above exchange data of related organization like a provincial health office, quarantine, livestock are important and necessary to surveillance and diseases control.

4.Objective: In order to exchange data surveillance among three borders.

5.Methods: Memorandum of Understanding (MOU) was started since 2 years ago. The website has being developed for all platform devices(laptop, ipad, mobile) users access at url name www.msq-health.com.

So, defined three categories to exchange data such as 1) MSQ’s 18 diseases surveillance(Dengue,Maralia,TB) 2)Number Travellers of a quarantine (Thai,Lao,Vietnamese,Others) 3)Zoonotic diseases laboratory result (rabies,avian influenza flu) by MSQ’s admin will entry details of surveillance, illness data case , confirm lab result and number travellers which depend on each time like a 24 hours, weekly, monthly, quarterly.

More over user still view page a general data,staff contact information, GIS, Chart, MOU files, report, News and activities cross border as well.

6.Results: The conference was held 3 times(at Mukdahan, Savannakhet , Quang Tri) for training admin to entry data which sent data total number cases on time to the website accuracy 100% .So, in the term of sent 1)MSQ’s 18 diseases number 9,409 cases (Mukdahan 2,151 Savannakhet 5,495 Quang Tri 1,763) 2) Numbers of travellers 952,981 times as pass a quarantine 3)report of rabies result lab 45 cases. Also, Users viewed page of this website from three provinces number 14,169 views (Mukdahan 11,207 Savannakhet 1,918 Quang Tri 1,044).

Hence, Health workers, staffs and users can process, retrieve data case report (surveillance,zoonotic diseases, number of traveller,rabies result) shown completed by time. In addition GIS data identify the location of dengue disease in a city of province.

7.Conclusion: The key to success is a strength collaboration and use same set data under concept “One Data One Province” which these data will fundamental carry out to support decision making more efficiency for planning activities along borders, collaboration surveillance and diseases control at the present and in a future.

8.Key words: MOU, exchange data, surveillance, collaboration