

Project Title: Analyzing data of HIV/AIDS related database – 5 year project

Project Number: DOH96-DC-2028

Executing Institute: Third Division, Centers for Disease Control, R.O.C.

Principal Investigator (P.I.): Yang, Shih-Yan

P.I. Position Title: Director of Third Division

Abstract:

Backgrounds: This program uses the national data sets, including survey data of HIV/AIDS reported case and IDU enrolled in harm reduction program in Taiwan, medical payment details from the national insurance bureau, data collection from HIV/AIDS case management program and basic data of new inmates from the Ministry of justice to conduct a five year study. The first case of AIDS in Taiwan came from a foreigner in transit and was reported in 1984. By the end of Oct. 2007, there had accumulated 15,345 reported cases of HIV infections, of which 14,711 were Taiwanese nationals and 634 were foreign nationals. The estimation and evaluation outcome related with HIV/AIDS in this study were based on these Taiwanese nationals reported cases.

Results: The main findings of the first year are: 1. the estimated prevalence rate of IDU is between 6.5% to 13.1% , 2. the free HAART policy is effectively to reduce sexual behavior transmission and the Harm reduction program is effectively to reduce the transmission among IDUs, 3 the yearly medical payment for HIV/AIDS related treatments is up to 1.18 NT\$ billion in 2006, 90% of the payment is reasonable, and there are 35% of the people living with HIV/AIDS on HAART. 4. 1172 clients of the case management program show that the risk behaviors : unprotected sexual behaviors , sharing needles, and lack of knowledge about mother-child infection still happened. Patients' education should be enhanced, 5. To compare the proportion of new inmates among IDUs with HIV/AIDS in 2007 between methadone treatment group and non-treatment group , there is no significant difference. We need longer time to evaluate the effect on criminal behavior by methadone treatment.

Keywords: HIV , AIDS , Prevalence , medical behavior , medical payment , harm