

## Influential host factors to the incidence of HIV/AIDS in key populations in Pati District

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Abstrak

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Human Immunodeficiency Virus (HIV) and Acquired Immune Deficiency Syndrome (AIDS) are serious diseases in the world in which one of transmission methods is through sexual intercourse. This study aimed to explain the influential host factors to the incidence of HIV/AIDS in key populations. The study was conducted in March-September 2016. The study was observational analytic with case-control design in key populations in Pati District. Cases were 53 patients living with HIV/AIDS, while controls were 53 patients not living with HIV/AIDS. The sampling technique employed was consecutive sampling. Data were obtained from medical records and interview questionnaire. This study applied chi-square test to analyze bivariate data, and multiple logistic regression to analyze multivariate data. Results indicated that the influential factors to the incidence of HIV/AIDS in key populations were inconsistent condom use behavior, records of suffering from sexually-transmitted infections (STIs), and forms of sexual activity. While, factors which were not influential to the incidence of HIV/AIDS were multiple sex partner behavior, sex accessory use behavior, tattoo needle use behavior, injecting drug use behavior. In conclusion, several influential factors to the incidence of HIV/AIDS in key populations are the inconsistent condom use behavior, records of suffering from STIs, and forms of sexual activity.