

Challenges to Hepatitis C Treatment Access in Vietnam: A Micro-Costing Study

Huven Nguven Anh1, Hugo C Turner2 Oxford University Clinical Research Unit, Centre for Tropical Medicine, Ho Chi Minh, Viet Nam 2Imperial College London, London, UK







Actions to reduce the DAAs drug cost are needed (such as encourage local drug production).

CONCLUSION Actions to reduce geographic inequity in costs are needed (such as supporting the decentralize Hepatitis C treatment).

Actions to reduce Out-of-pocket expenditure are needed (such as increase health insurance coverage).

BACKGROUND

Chronic henatitis C virus infection remains a significant public health problem with an estimated of 58 million people globally infected. Direct-Acting Antivirals (DAAs) have revolutionized Henatitis C treatment and can achieve high cure rates (>90%). Unfortunately, in Vietnam only 2700 people accessed to DAAs based treatment in 2020, despite an estimated prevalence of chronic Hepatitis C varying between 970,000 to 4 million people. The high cost of DAAs-based treatment is a significant barrier to accessibility and has raised questions about the fairness and affordability of drug costs.

OBJECTIVE

Our study aims to investigate the full costs of DAAs treatment for Chronic Hepatitis C in Vietnam in order to provide suggestions to increase the coverage of DAAs treatment

METHOD

We performed patient-level micro-costing analysis, including direct medical costs (drug costs and services costs), direct non-medical costs (food, travel and accommodation costs) and productivity costs.

Direct non-medical costs: **Productivity costs**

Face-to-face Interview: 102 Henatitis C outpatients, at Hospita for Tropical Diseases. Ho Chi Minh City. Vietnam

Timeline:2020-2021

Direct medical costs

Database from: 1. Hospital for Tropical Diseases Ho Chi Minh Vietnam 2. Vietnam Drug Administration Department

Timeline:2021-2022

Figure 1: How costs data collected?

MAIN FINDING

Main finding 1: The DAAs drug costs in Vietnam is still high compared other countries in South-East Asia.



Figure 2: DAAs drug costs compared other countries in South-East Asia (US\$).

Main finding 2: These is a large disparately in the costs incurred to access the treatment from outpatients from urban vs rural areas. As DAA based treatment is not provided at primary healthcare facilities, outpatients from rural areas must travel to a major city.

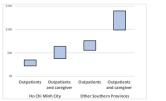


Figure 3: Outpatients and caregiver costs (including direct non-medical and productivity costs) (US\$) among rural and urban areas in Vietnam.

Main finding 3: Although most outpatients (>98%) have Health Insurance, out-of-pocket expenditure still significant occurred.

Out-of-nocket expenditure from outpatients can range from 47% to 100% (US\$630 to US\$1949) of the total DAAs treatment costs, equivalent from 3 to 6 months of average monthly Vietnamese salary.

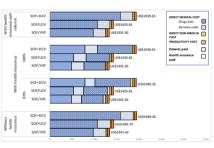


Figure 4: Total cost of Hepatitis C treatment (USS) regarding the contribution of Health

Insurance. It was performed in three different scenarios: Outpatients don't have Health Insurance, outpatients have Health Insurance, and outpatients have Health Insurance but self-referral. For those outpatients having Health Insurance, the co-payments for DAAs drugcost is 50%, but the co-payment for services cost can be either 80% or 100% regarding type of Health Insurance, If outpatients have Health Insurance but self-referral to directly seek care at a higher level, they will not receive any co-payment benefits.