

**Article title:** Economic Burden of Non-medicinal Poisoning From Healthcare Provider Perspective in 2020: A Prevalence-Based Cost-of-Illness Study in Thailand

**Journal name:** International Journal of Health Policy and Management (IJHPM)

**Authors' information:** Mu Htay Kywel<sup>1</sup>, Orathai Khiaocharoen<sup>2</sup>, Chatchon Prasertworakul<sup>2</sup>, Tanwa Khattiyod<sup>2</sup>, Sitaporn Youngkong<sup>3\*</sup>, Arthorn Riewpaiboon<sup>3\*</sup>

<sup>1</sup>Master of Science Program in Social, Economic and Administrative Pharmacy, Mahidol University, Bangkok, Thailand.

<sup>2</sup>Thai CaseMix Centre, Division of Healthcare Information Standards Service, Health Systems Research Institute, Bangkok, Thailand.

<sup>3</sup>Division of Social and Administrative Pharmacy, Department of Pharmacy, Mahidol University, Bangkok, Thailand.

**\*Correspondence to:** Sitaporn Youngkong, Email: [sitaporn.you@mahidol.ac.th](mailto:sitaporn.you@mahidol.ac.th) & Arthorn Riewpaiboon, Email: [arthorn.rie@mahidol.ac.th](mailto:arthorn.rie@mahidol.ac.th)

**Citation:** Kywel MH, Khiaocharoen O, Prasertworakul C, Khattiyod T, Youngkong S, Riewpaiboon A. Economic burden of non-medicinal poisoning from healthcare provider perspective in 2020: A prevalence-based cost-of-illness study in Thailand. Int J Health Policy Manag. 2025;14:8928. doi:[10.34172/ijhpm.8928](https://doi.org/10.34172/ijhpm.8928)

**Supplementary file 1**

**Table S1. List of potential predictor variables included in multiple regression analysis**

Variables	Codes and Values
<b>Dependent Variable</b>	
LnDMC	Natural Ln form of direct medical cost
<b>Independent Variables</b>	
Age (Year)	Continuous (mean= 39)
Length of stay (Day)	Continuous (mean= 3)
Hospital Type	1= Provincial (20%), 0= Regional (80%)
Patient Type	1= Inpatient (24%), 0= Outpatient (76%)
Gender	1= Female (49%), 0= Male (51%)
Dummy variables for Insurance Type; Universal Health Coverage (67%) as reference	
CSMBS	1= Civil Servant Medical Benefit Scheme (9%), 0= Other
OOP	1= Out of Pocket (8%), 0= Other

SSS	1= Social Security Scheme (12%), 0= Other
Others	1= Other Insurances <sup>a</sup> (1%), 0= Other
Dummy variables for Diagnosis Type; Group 2: Nonmedicinal poisoning with comorbidity (68%) as reference	
Group 1	1= Nonmedicinal poisoning without comorbidity (28%), 0= Other
Group 3	1= Nonmedicinal poisoning as comorbidity (4%), 0= Other

Abbreviations: CSMBS, Civil Servant Medical Benefit Scheme; OOP, Out of Pocket; SSS, Social Security Scheme