

CONTINUING EDUCATION 專業及持續教育學院













COLLEGE OF PROFESSIONAL AND

Health service utilization and financial burden among people suffering from NCDs in Vietnam

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Biography



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Background and Rationale

"Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all"

(SDG Target 3.8)

Reducing out-of-pocket expenditure is the key to reduce the financial burden!





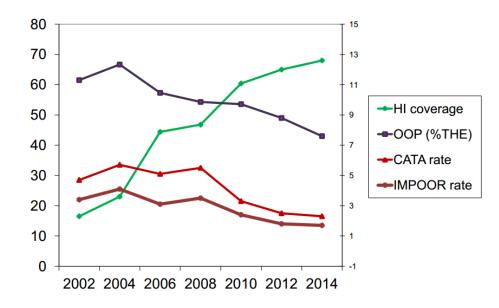
Vietnam situation

 Goverment and Ministry of Health issued policies to reduce the OOP proportion

2008: Health Insurance Law

2014: Revised HI Law

The financial protection in Vietnam

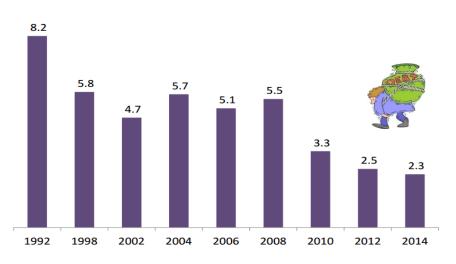


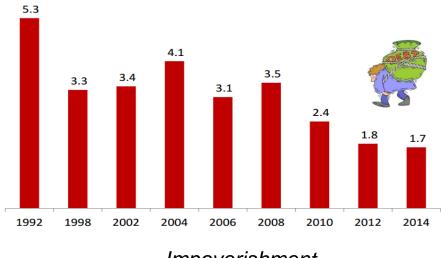


Financial burden due to OOP in Vietnam, Hoang Van Minh, 2016



Financial burden due to OOP health expenditure





Catastrophic health expenditure

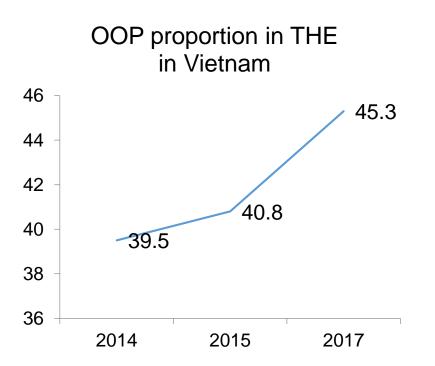




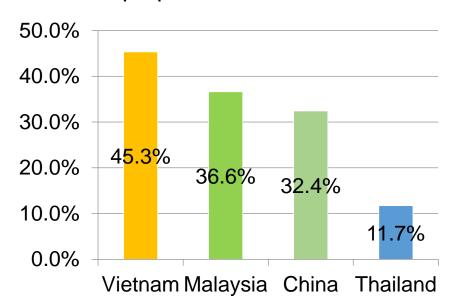
Financial burden due to OOP in Vietnam, Hoang Van Minh, 2016



Financial burden due to OOP health expenditure



OOP propotion in THE in 2017



World Bank, 2017





Why study about NCDs?

NCD situation

- In SEA: top killer (8.5mil deaths/year)
- Higher household expenses



2000

2. Stroke

2019

3. Chronic obstructive pulmonary disease

1. Ischaemic heart disease

4. Lower respiratory infections



Research objectives

To describe the health service utilization of patients with NCDs in Vietnam

To examine the magnitude of financial burden due to out-of-pocket expenditures among households with NCD patients





Research methodology

Data source and characteristics: Secondary data "The difference in health, accessibility to health, health service utilization and related factors in Vietnam"

Study design of secondary data

- Cross-sectional study
- 6 provinces that are representative of six distinct geographical regions
- n = 6150 households
- Conducted by Health Strategy and Policy Institute in 2015

How were data collected?

- Collected by trained researchers
- Tool: Structured interview questionnaire
- The interviews were conducted in respondents' homes
- 30-60 minutes to complete





Research methodology

Population for this study

- Sub-group of households in the HSPI survey in 6 provinces in 2015
- Selection criteria: Households with at least one member suffering from NCDs

Data analysis

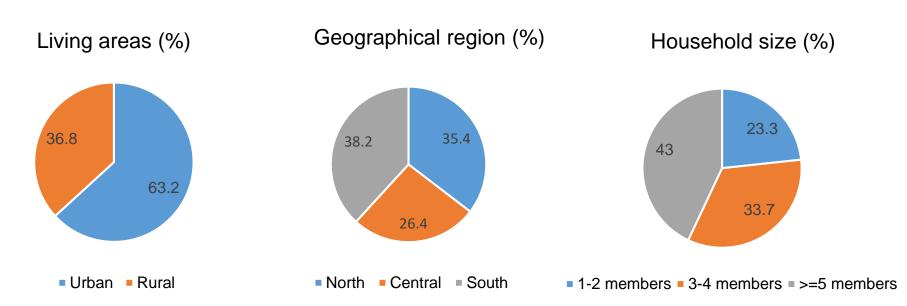
- Using WHO guideline (2005) as reference

 Catastrophic health expenditure (CHE) occurs when a household's OOP spending on health care is equal or exceeds 40% of the household's capacity to pay
- Use Stata/IC 15.1 to analyze





Socio-demographic characteristics of households with members suffering from NCDs

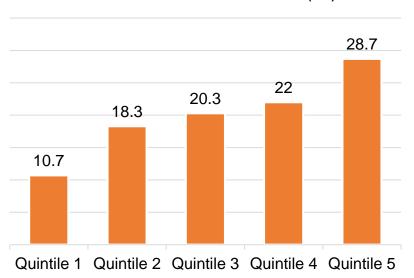




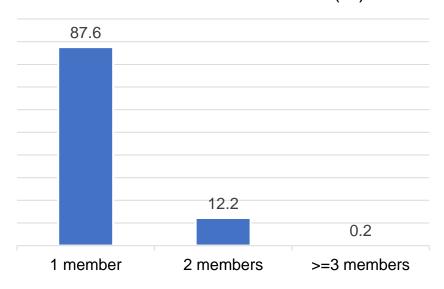


Socio-demographic characteristics of households with members suffering from NCDs (cont.)

Household wealth index (%)



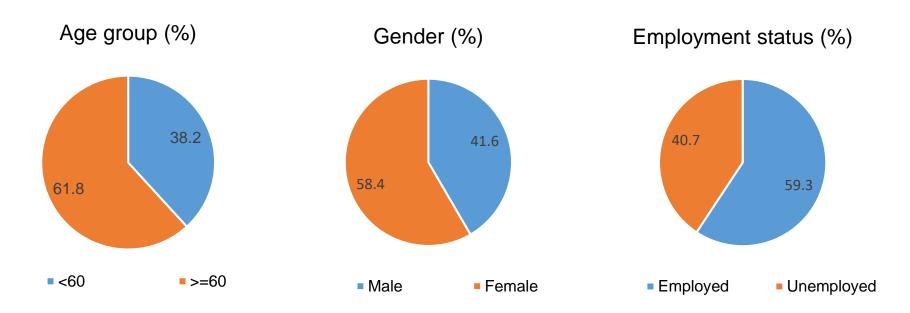
Number of NCD members (%)







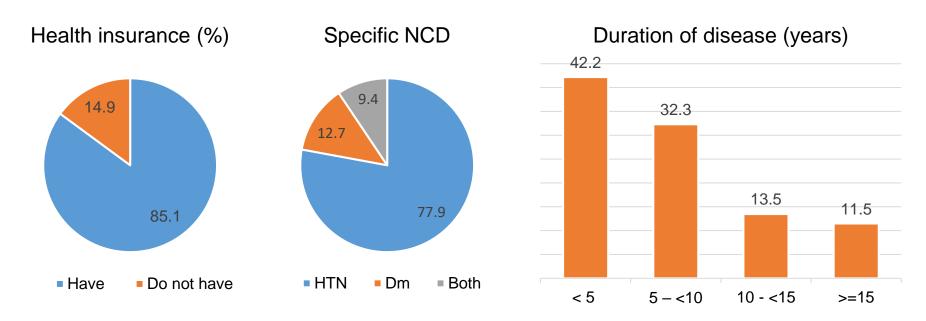
Socio-demographic characteristics of patients with NCDs







Socio-demographic characteristics of patients with NCDs (cont.)

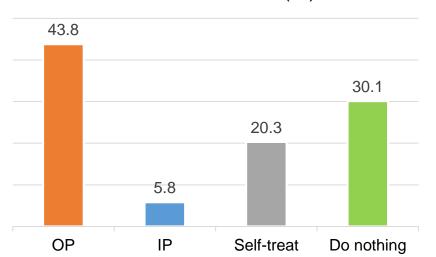




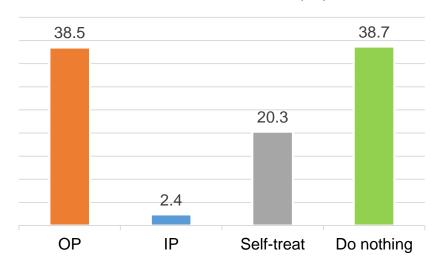


Health service utilization of patients with NCDs in the last 4 weeks

Heath service utilization for all sicknesses (%)



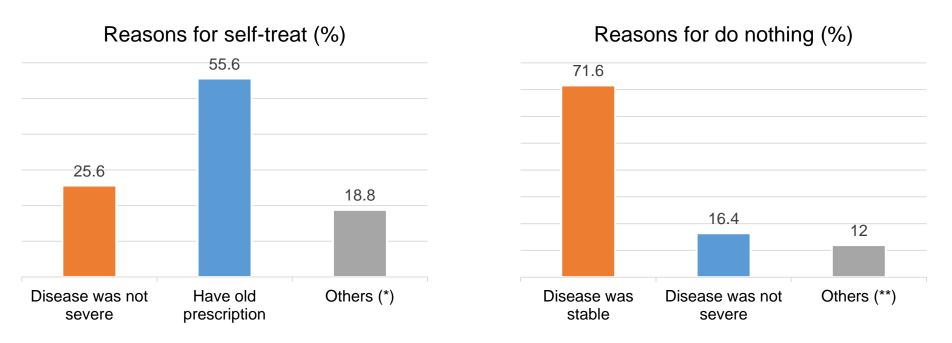
Heath service utilization for NCD treatment (%)







Health service utilization of patients with NCDs in the last 4 weeks (cont.)

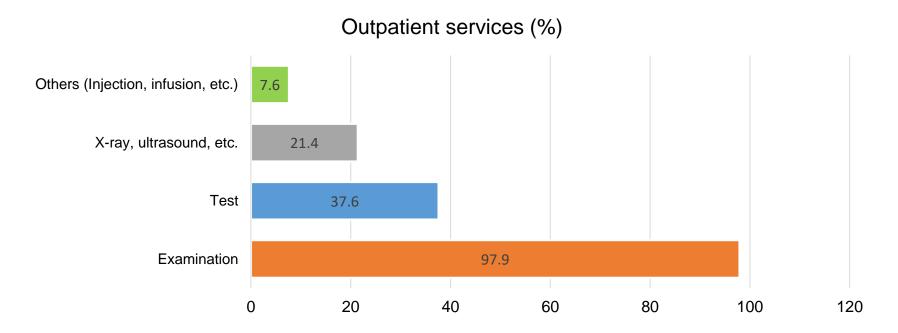




(*) Others: Do not have HI, do not have enough money, self-search on Internet, etc.. (**) Others: Do not know where to receive treatment, do not have money/ time/transport, do not trust HC facility, etc.



Health service utilization of patients with NCDs in the last 4 weeks (cont.)

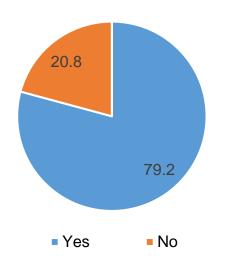




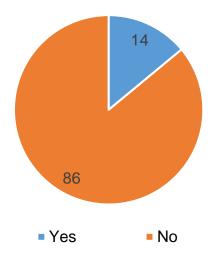


Financial burden due to OOP expenditure for health care among households with NCD members

Pay OOP for health services (%)



Pay catastrophic health expenditure (%)







Out-of-pocket for health care in the last 4 weeks (cont.)

	Self-treat	Outpatient services	Inpatient services
OOP expenditure (average, SD) Unit: thousand VND	145 (115)	350 (234)	2,726 (1,789)
	~6.3\$	~15.3\$	~119.2\$





Out-of-pocket for health care in the last 4 weeks (cont.)

		Outpatient services	Inpatient services
Direct medical cost (average, SD) Unit: thousand VND	Examination	13 (130) ~0.6\$	3,709 (2,640) ~162\$
	Test	20 (134) ~0.9\$	
	Medicine	92 (261) ~4\$	
	Others	13 (148) ~0.6\$	
	Total	215 (717) ~9.4\$	





Out-of-pocket for health care in the last 4 weeks (cont.)

		Outpatient services	Inpatient services
Direct non- medical cost (average, SD) Unit: thousand VND	Gift	13 (30) ~0.6\$	116 (101) ~5.1\$
	Transportation	37 (178) ~1.6\$	324 (731) ~14.2\$
	Food	9 (80) ~0.4\$	958 (504) ~41.9\$
	Total	50 (243) ~2.2\$	1,493 (6,035) ~65.3\$





Discussion

European

- National Health Survey (Janko et al, 2019)
- 59.6% used health services provided by family physician
- 8.4% hospitalization

Vietnam

• The proportions of people with NCDs who used at least 1 OP and IP during the last 12 months were 68.1% and 10.7%, respectively (Hoang Van Minh et al, 2018)





Discussion

China

- Hypertension patients in Shandong province (Zhang et al, 2020)
- CHE: 13.6%

Vietnam

- Thai Nguyen province: CHE was 14.6% (Hoang Van Minh et al, 2012)
- Hanoi (Capital): CHE was 6.2% (Vu Duy Kien et al, 2016)





Conclusion & Recommendations

- Self-treatment is common among patients with chronic illnesses
- Households with NCD members are likely to incur financial burdens due to OOP expenditure
- Policies and national programs should be considered.
 - Health service accessibility
 - Financial support through health insurance and basic benefit packages at primary health care



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