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ECONOMIC DEBATE ON FINANCING MODEL OF THE NATIONAL HEALTH SYSTEM

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ABSTRACT

KEYWORDS Finance, national health systems, macroeconomics The topic of health-care financing is becoming increasingly important, particularly in light of the Covid-19 pandemic. In this study, we examine the pattern of funding for the national health system from the standpoint of economic thought, as well as the role of government in the context of macroeconomic analysis of social welfare. Conceptual Analysis is the method employed. The data used is based on related theory. This study discovered that health issues are social welfare issues as one of the macroeconomic goals. The macroeconomic debate employs an interdisciplinary framework in which the determinants include external shocks and policy levers, while the pure or theoretical ones are descriptive and applied, resulting in outputs such as prices, growth, output, and international balances. In theory, government involvement in the economy can be divided into two extremes: the classical view and the Keynesian view. The problem of wage and price flexibility, self-adjustment, and government intervention is the result of these two views, though there is a middle view; Schumpeter. The health system can be funded in three ways: entirely by the government, partially by the government, and entirely by the private sector or the public. Furthermore, the cost of health insurance is influenced by the economy, competition, rules, company goals, market structure, government intervention, and a variety of other factors. In the future, studies must be conducted using big data.

INTRODUCTION

The Covid-19 pandemic has highlighted the importance of funding the national health system to ensure citizens' constitutional and human rights-based rights (Cohen and Flood, 2022., Rascao, 2022., Carvalho, 2022., Fasseeh et al, 2022., Hartman, 2022., Gilardino, R. E., Valanzasca, P., & Rifkin, S. B, 2022). This phenomenon is almost evenly distributed worldwide; for example, in Canada Shaw, E., Mayer, M., Ekwaru, P., McMullen, S., Graves, E., Wu, J. W.,... & Mestre, T. A. (2022), Singapore (Cohen, D., & Flood, C. (2022), Japan (Ikeda, T., Igarashi, A., Odani, S., Murakami, M. (2022). This includes the United States (Hartman, M., Martin, A. B., Washington, B., Catlin, 2022). Africa (Afolabi, A., & Ilesanmi, O. (2022) or, more specifically, South and Eastern Africa (Chitah, B. M. (2022). This pandemic has continued to spread, prompting experts to seek the best formulation based on the region and atmosphere, as well as the capabilities and circumstances of each country. The consequences affect not only health but also cross-cutting economics, state policy, and health economics, as well as foreign law and policy (Bosa, I., Castelli, A., Castelli, M., Ciani, O., Compagni, A., Galizzi, Vainieri, M.) (2022).

The Covid-19 pandemic occurred approximately ten years after the 2008 global economic crisis, which was caused by a variety of factors (the financial sector). This economic shock presents a challenge to state administrators and policymakers in the field of health financing because it reduces state revenues while also increasing the financial

burden or government spending to finance health services as part of public financing (Thomson, S., Garca-Ramrez, J. A., Akkazieva, B., Habicht, T., Cylus, J., & Evetovits, T 2022).

The financing of health services in a country includes all aspects such as their nature; formal, informal, and non-formal, from the perspective of the area; urban or rural, from the beneficiary segment; low, middle, and high income people, in terms of services whether at the first, middle, or plenary levels, in terms of disease whether all diseases or only some, in terms of treatment; is it a generic drug or a patent drug as well, from the teenage medical perspective; whether gene therapy is available; All of these are part of a national health system.

Meanwhile, alternative sources of funds for paying or financing the health system include health taxes, health social insurance, voluntary and private insurance, out-ofpocket or direct personal financing, and donations. Each source of funds used to finance the health system will have many impacts, in fact almost all aspects from upstream to downstream; from disease type to equipment used, services provided, staff serving, time allowed, and finally quality received.

Whatever decisions policymakers make in a country, they must still focus on meeting citizens' health needs as part of public services and on citizens' constitutional rights. As a result, it is critical to consider the sustainability of health-care financing options.

A country's macroeconomic development targets for social welfare include the sustainability and continuity of good health services. Quality health care at an affordable price is what constitutes good health care. This is where the government or policymakers play an important role in determining the pattern of financing in accordance with the situation, conditions, and circumstances, as well as the State's financial capacity.

METHOD RESEARCH

This study employs a non-interactive qualitative approach with data in the form of concepts or theories. Concepts, terminology, variables, constructs, definitions, assertions, hypotheses, and theories are all examined. This conceptual analysis challenges terminology, deepens understanding of a concept, and then compares it to prior knowledge. This method seeks to clarify any ambiguity in the concept or theory and then adjust the operational definition to reflect the theory.

This concept analysis method has four strategies for conducting an analysis. The first is generic analysis. This method is used to determine the basic or essential meaning of a concept and then compare it to other concepts to determine their differences. The final product is a clear concept with a definition and supporting arguments. The second step is differential analysis. This method is used to distinguish the fundamental meaning of a concept by presenting a concept that is thought to be more logical, clearer, and clearer. If the first approach is deemed insufficient, this approach is used. The third step is conditional analysis. Is an examination of the various conditions required for the implementation of a concept.

This means that if one of these conditions is not met, the concept will not be applicable. The fourth step is to conduct a coherence analysis. This step involves conducting an analysis to determine the relationship between a concept and the nature of humanity as well as prevalent social values.

RESULT AND DISCUSSION

WHO developed the methodology for analyzing national health system financing policies in 2008. Figure 1 illustrates these three pillars.

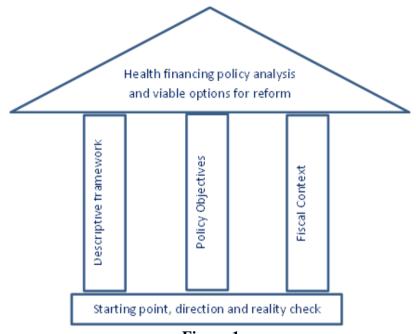


Figure 1 WHO's Three Pillars of Health System Financing Policy Analysis

The foundation of policy in the field of health financing in a country begins with the desired outcome and examines the reality of what is actually happening in the field. There are three pillars in the middle: a description of work procedures, policy objectives, and financial context. At the top or roof is an analysis of the national health system's financing policies, with a variety of variable options and policy reforms to choose from. Furthermore, as shown in Figure 2, the financing of this national health system is linked to other systems in a country:

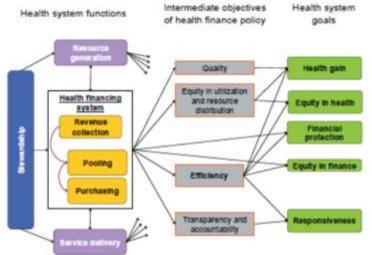


Figure 2 Depicts the integration of national health system financing with other systems. Source : WHO, 2008

Health system financing is part of the national health system's function of optimizing upstream resources and providing health services downstream. The financing of the health system is divided into three steps: fundraising, pooling, and allocating funds. The function of the health system is linked to the intermediate objectives of the health financing policy, which include quality, equality in resource utilization and distribution, efficiency, transparency, and accountability. The desired outcome is improved health, equality in health, financial protection, financial equality, and responsibility.

The entire approach and system described above in Figures 1 and 2 is inextricably linked to the economic system's choice of government, which is broadly divided into two polar points, namely capitalism and socialism, with Keynes or New Keynes in the middle. Table 1 describes the economic system selection process:

Aspects	~	Remarks		
-	Capitalism	Keynes/Schumpeter	Socialism	
Background of	History of Nation	Keynes/Schumpeter	Choice from	History,
Differences	Establishment	Opinion	Founding	Colonialism
			Fathers	Founding Father's
				Experiments,
				Common Values,
				Dealing,
Goals of	Social Welfare	Social Welfare	Social Welfare	Basically Main
Economics				Purpose of
System				Government is to
·				achieve
				state/social/people
				welfare/wealth/wel
				lbeing
Government's	Minimize	*Balance	Dominant	*Commonly
Action in				Government plays
Economics				in basic needs of
				people of the
				nation/country
Dominant Player	Private	**Balance	Government	**Government set
in the market	1 11 1 1100	Duluite		the rules and keep
				it run well
Respect to	***Very high	****Available	****Verv	***almost to all
individual			limited	kind of resources
Ownership				****recognize
o which shap				*****limited to
				wages receives
				from Government
Individual	Very high	High	Very low	+Freedom in
Freedom+	, er j m.g.		(er j 10 ()	economics
				activities
				(involving in
				production process,
				distribution and
				choice to consume)
Production	Free	Dominant by	Dominant by	enoice to consume)
Factor	1100	private sector	government	
Ownership		private sector	50 vormient	
Natural	++Free	Dominant by	+++Dominant	++founder;keeper
Resources	11100	private sector	by government	+++mostly own by
Ownership		private sector	ey government	state/government.
Sundianh				state, 50 terminent.

Table 1 Shows an analysis of the economic system and Government involvement in the economy

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Even in some case
100% owned by
state such as
Monarchy System

Fields that Managed by State/Governme nt Objectives of State Owned	Very limited Providing the Public Services	Limited Managing the Special Economics	Almost all aspect in citizen life Getting profit for development	Usually; Religion, Monetary, Justice System, Foreign Affairs, Defend
Company Producer's Goals Consumer's	Maximum Profit Maximum Utility	Activities Getting a lot of benefits which not always in term money Rasional Utility	Getting the profit and mostly done by state/government ^Standard Utility	Benefits also in term of public services and social benefits ^standardized by
Goals	5	5	5	state/government/ political power
Price Making	By Market	By market but some time or some commodity by government intervention	By government	
Climate of Competition	Healthy	Minimum regulation from government	All by permission from state/government /political power	
Climate Business	Conducive	There are some regulation	All by rule of state/government /political power	
Quality of Products/Service s	Good	Standarized	All by central government planning	
Consumer's Utility Achievement	Achievement depend on each individual ability	Achievable with minimum standard	All the same for all citizen	
Creativity When crisis come	Very developing Government do no intervention	Developing Government gives some stimulation for recovery of	Limited Economic recovery lead by government	
Foreign Affairs	Limited role of government	economy Government plays for specific affairs	Government do the marketing to abroad	

In general, it can be understood that in the Economic System of Capitalism or Liberalism, the private sector plays a dominant role in the economy, whereas in the Economic System of Socialism or Communism, the government plays a dominant role in almost all aspects of a country's economy, whereas in the Keynesian or Schumpeterian Economic System, the government plays a role in certain fields.

Experts continue to debate the size of the government's role in the economy, and this debate moves with the times and different situations and conditions.

Similarly, policies concerning the government's role in managing the national health system, including in In terms of funding the national health-care system. It is still

debated which is more dominant, whether the government is dominant, the private sector is strong, or a mix, and how much the government should play a role in the mix.

Debates and differences in policies regarding the financing of the national health system are also related to a country's economic system, as shown in Table 2 below.

National Health		0		
System Financing	Capitalism	Economic System Keynes/Schumpeter	Socialism	Remarks
Background of national health system financing	Domination of private sector	Government provides basic services in health of citizen	All the health care and services provides by central	stated in the law health for each country
The objectives of financing the national health system	Private profit	Fulfillment of basic service of health for all citizen	government There is equity in health services	
The Role of Government in Financing the National Health System	Minumum	Balance	Dominant	
Dominant Actors in the National Health System Financing Market	Private health insurance companies	Balance	(Central) government	
Health Level Improvement Efforts	Free	Supporting by government	All by government hardly	
Ownership of Health Insurance State-Controlled Health Services	Free Basic Services/Basic	Dominant by Private Limited	Required by the Government Almost All Fields and	
Sector SOE Goals in the Health Sector	Social Security Providing Basic Services at the first level	Provide basic health services	Aspects Providing overall public services in the health sector	
Health Insurance Purpose	Private : profits	Private : Profit and Government: Benefits	Community health services	
Consumer/Society Purpose Formation of Health Service Pricing	Maximum Satisfaction By market	Rational Satisfaction By the market, sometimes there is government	Standard Satisfaction By government	
Health Insurance Competition Conditions	Health competition	intervention There are minimal rules from the government	All with government permission	Some insurance is owned by the government
Business Climate	conducive	There are various rules	Everything is regulated by the government	

Table 2 Policies for National	Hoolth System	and Francis	vetom Financing
Table 2 Policies for National	neann System	and Economic S	ystem r mancing

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Product/Service Quality	Good Can be achieved in accordance with the ability of consumers		Standarized	In accordance with (central) government plans	
Consumer Satisfaction			Achievable with minimal standards	Same for all people	
Creativity	Very well developed		Well developed	Limited	
When a Crisis Occurs	-		Government Gives Stimulation of Recovery from Crisis	Government Leads Economic Recovery	Different if there is a force majeure condition: disaster, war etc. Like the Global Pandemic Covid-19.
Foreign Relations			Role of Government for Certain Affairs	The Government Markets Products to Overseas	Different if there is a force majeure condition: disaster, war etc

With various aspects and perspectives that can be used to formulate policies in the field of financing the national health system, one important way to understand policy formulation is to use common indicators to measure the performance of national health system financing, as explained in Table 3 below:

Table 3 Shows the performance indicators for national health financingHealth financing performance indicator:

Indicative performance indicator target(s)

1. Level of funding:

The existing resource mobilization potential is exhausted.

Total health expenditure per capita is at least USS34 (in 2000 prices)

(cf. WHO 2001) and within the range of the regional average.

2. Level of population coverage:

The total population is covered by a social health protection mechanism, i.e. having access to key health interventions at an affordable cost.

3. Extent of financial risk protection:

At least 85% of total health expenditure is based on prepaid funds (e.g, taxes, health insurance contributions), and less than 1% of households experience catastrophic expenditure. (Catastrophic expenditure occurs when households spend more than 40% of their disposable income on health (Xu et al. 2003)).

4. Level of equity in health financing:

Health financing payments (e.g, SHI contributions, taxes, out-of-pocket payments) as a share of household capacity-to-pay (non-subsistence expenditure) are equal across income quintiles.

5. Level of pooling:

Health spending per person is equal across pools (i.e, health financing schemes), adjusted for health risk units.

6. Level of cost-effectiveness and equity in benefit package composition:

The benefit package composition is based on equity and efficiency criteria.

7. Level of efficiency in benefit package delivery:

Remuneration mechanisms minimize incentives for over- under-provision or cost-shifting. Resource allocation reflecis health care needs and health care costs.

Source: based on Carrin James (2005) and Mathauer (2009)

Discussion

How does the fixed model fare? In reality, there is no universal model. Each policymaker in a country, in this case regarding the financing of the national health system, can select the financing model that is best suited to the country in question. Each financing model will undoubtedly have an impact on the financial burden of the state, market conditions, the attractiveness of investors and the private sector, as well as the state's relationship with markets and international trade.

If we assume that the financing model has two poles, fully funded by the government or completely funded by the private sector, then there are several variations between the two poles; mixture. The next topic of discussion is the extent to which the formulation of the financing mix is whether the government is dominant or the private sector is dominant, and where citizens as individuals stand.

The health system's financing, which is dominated by state funds, will slow the health insurance industry, and vice versa. Even if the state only funds a small portion of health insurance, the health insurance industry will thrive. The government's role is more to create and enforce these regulations in order to protect each citizen's fundamental rights.

A market structure that results in perfect competition is usually more profitable for both producers and consumers. Despite the fact that is frequently stated that a centralized market system will destroy a rational economy, and that a capitalist system will destroy the old and create a new one.

CONCLUSION

The pattern or model for financing the national health system is, of course, determined by the State's goals, the nation's long history, and the prevailing economic system

- Gilardino, R. E., Valanzasca, P., & Rifkin, S. B. (2022). Has Latin America achieved universal health coverage yet? Lessons from four countries. *Archives of Public Health*, 80(1), 1-11.
- Barnard, K., & Lee, K. (Eds.). (2022). Conflicts in the National Health Service (Vol. 2). Routledge.
- Gogoi, N., & Sumesh, S. S. (2022). The Political Economy of Public Health Inequalities and Inequities in India: Complexities, Challenges, and Strategies for Inclusive Public Health Care Policy. *International Journal of Health Services*, 00207314211066748.

Sciberras, E., Streatfeild, J., Ceccato, T., Pezzullo, L., Scott, J. G., Middeldorp, C. M., & Coghill, D. (2022). Social and economic costs of attention-deficit/hyperactivity disorder across the lifespan. *Journal of attention disorders*, 26(1), 72-87.

- Getzen, T. E., & Kobernick, M. S. (2022). Health economics and financing. *John Wiley & Sons*.
- Adeyi, O. (2022). Markets, Governments, and Global Health. World Scientific Book Chapters, 59-69.
- Shaw, E., Mayer, M., Ekwaru, P., McMullen, S., Graves, E., Wu, J. W., ... & Mestre, T. A. (2022). Epidemiology and economic burden of Huntington's Disease: a Canadian provincial public health system perspective. *Journal of Medical Economics*, (just-accepted), 1-21.
- Cohen, D., & Flood, C. (2022). Health economics. In Health Studies (pp. 269-294). *Palgrave Macmillan, Singapore.*
- Rascão, J. Debate on disease Prevention, prolong Life and promote Health (from Theory to Practice).
- Chen, M. M., Sibley, D., Au, D., Alibhai, S. M., Karkouti, K., Randall, I. M., & Santa Mina, D. (2022). Is the Integration of Prehabilitation into Routine Clinical Practice Financially Viable? A Financial Projection Analysis. *Current Anesthesiology Reports*, 1-11.
- Hartman, M., Martin, A. B., Washington, B., & Catlin, A. (2022). National Health Care Spending In 2020: Growth Driven By Federal Spending In Response To The COVID-19 Pandemic. *Health affairs (Project Hope)*, 41(1), 13-25.
- Kwon, S., & Kim, E. (2022). Sustainable health financing for COVID-19 preparedness and response in Asia and the Pacific. *Asian Economic Policy Review*, 17(1), 140-156.
- Hartman, M., Martin, A. B., Washington, B., Catlin, A., & National Health Expenditure Accounts Team. (2022). National Health Care Spending In 2020: Growth Driven By Federal Spending In Response To The COVID-19 Pandemic: National Health Expenditures study examines US health care spending in 2020. *Health Affairs*, 41(1), 13-25.
- Afolabi, A., & Ilesanmi, O. (2022). Building Health System Resilience in Africa During the COVID-19 Pandemic. *Global Biosecurity*, *3*(*1*).
- Ikeda, T., Igarashi, A., Odani, S., Murakami, M., & Tabuchi, T. (2022). Health-related quality of life during COVID-19 pandemic: assessing impacts of job loss and financial support programs in Japan. *Applied research in quality of life*, 17(2), 541-557.

Chitah, B. M. (2022). Health sector financing and COVID-19: East and Southern Africa trends and a Zambia case study.

Bosa, I., Castelli, A., Castelli, M., Ciani, O., Compagni, A., Galizzi, M. M., ... & Vainieri, M. (2022). Response to COVID-19: was Italy (un) prepared?. *Health Economics*, *Policy and Law*, 17(1), 1-13.

Thomson, S., García-Ramírez, J. A., Akkazieva, B., Habicht, T., Cylus, J., & Evetovits, T. (2022). How resilient is health financing policy in Europe to economic shocks? Evidence from the first year of the COVID-19 pandemic and the 2008 global financial crisis. *Health Policy*, 126(1), 7-15.

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