



# Understanding The Mindset: Exploring Consumer Behaviour In Health Insurance Decision-Making

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**Citation:** Deobrat Kumar Pandey ,et.al (2024), Understanding The Mindset: Exploring Consumer Behaviour In Health Insurance Decision-Making ,*Educational Administration: Theory and Practice*, 30(5), 14817 -14823  
Doi: 10.53555/kuey.v30i5.7455

## ARTICLE INFO

## ABSTRACT

This review aims to discuss the various aspects of consumer decision-making in health insurance with a special focus on the factors and considerations that define the choices. Health insurance is a vital tool that helps to manage financial risks associated with healthcare; however, consumers encounter difficulties because of irrational behavior, lack of knowledge, and socio-economic status. The review explores the behavioral economics, cognitive bias, and socio-cultural factors that influence insurance choices. These are demographic factors including income and education levels, psychological factors including risk-taking propensity and cognitive distortions, and cultural factors influencing decision-making. The review also stresses the need to educate the consumer and build confidence in insurance service providers. It uses literature search, thematic analysis, and data synthesis to evaluate the current literature and to identify the research gaps. Research evidence indicates that socioeconomic status plays a major role in insurance decisions and that people with higher income and education make better insurance decisions. Other psychological factors include loss aversion and the influence of social networks. Moreover, culture plays a role in decision-making, especially in a collectivist culture where the decision is made based on the norms of the society and the family. In conclusion, the review recommends that there is a need to increase consumer awareness and the use of appropriate marketing techniques that respect the cultural diversity of the population to increase insurance penetration. Subsequent studies should aim at combining these determinants to design efficient interventions that would meet the needs of consumers and improve the functioning of health insurance markets.

**Keywords:** Health Insurance, Consumer Behavior, Behavioral Economics, Risk Aversion, Socio-Cultural Influences, Consumer Education.

## 1. Introduction

Health insurance is a relevant product that allows consumers to reduce their risks and be insured against losses in the event of diseases, but the decision to choose a particular health insurance plan is not always obvious and depends on some factors. The decision-making process includes the evaluation of the choice of options, the policy, and the self and financial analysis. However, consumers are not always able to make rational decisions when it comes to insurance and this leads to under-insurance or even no insurance at all (Loewenstein et al., 2013). Due to the current changes in the healthcare system and the shift to consumer-directed health plans, it is crucial to identify the determinants of demand for health insurance products.

The knowledge of consumer behavior in health insurance is crucial to enhance market efficiency and to guarantee that people make rational choices that will be beneficial for them and cheap. Bhargava et al. have pointed out that consumers are not well informed about insurance products, and this leads to wrong choices. Understanding the psychological, economic, and social factors that influence the decision to purchase health insurance can help the stakeholders in the development of strategies that would increase the level of consumer awareness and decision-making and improve the market results (Handel & Kolstad, 2015). In

addition, knowledge of consumer behavior is essential to the policymakers who seek to raise the population with health insurance and improve the availability of healthcare services for every citizen.

The purpose of this review is to identify and review the factors that affect consumer behavior in health insurance. The objectives include determining demographic characteristics, psychological characteristics, and other characteristics that influence consumers' behavior. In addition, the review aims at identifying consumer difficulties such as the comprehension of the product, the price, and information. The review will also assess the effectiveness of various policies and market strategies in addressing these problems and appealing to consumers. Therefore, this review will provide an overall understanding of the consumer attitude to assist future research, policy, and practice in the health insurance market to make the right decisions.

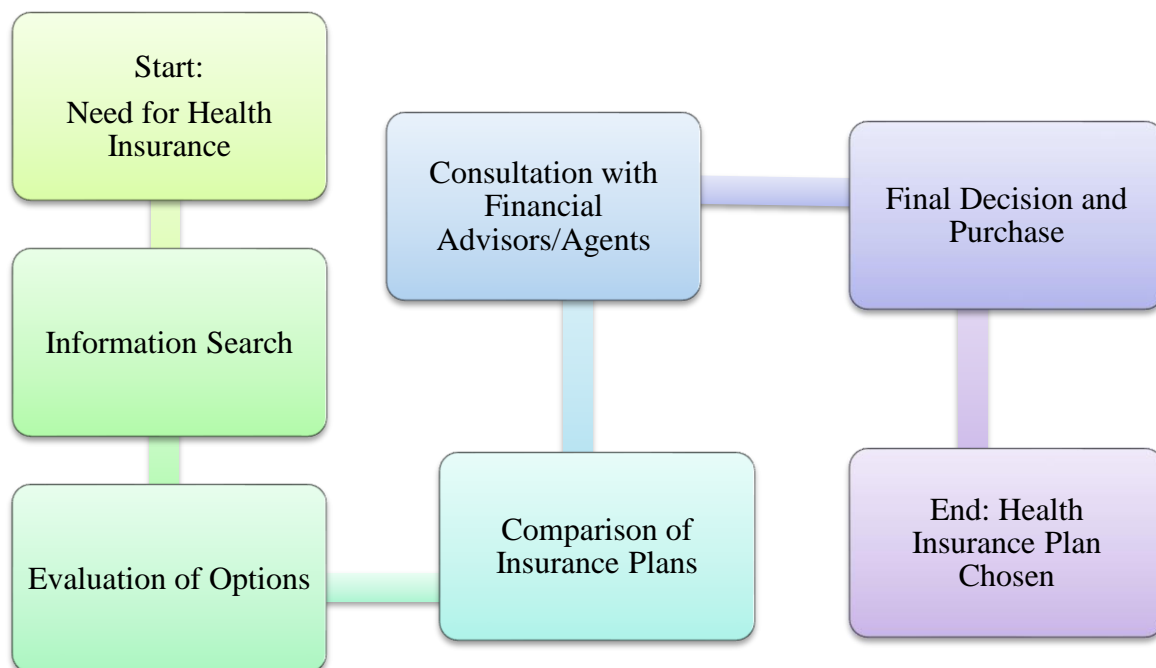
### 1.1 Scope of the Study

Consumer behavior in health insurance decision-making is the focus of this research, which is supported by literature and research reviews. It explores how psychological, economic, and sociological theories impact consumers' decisions. The research also focuses on the different consumer categories which are age, income, and health to determine the influence on the decision-making process. Further, it examines emerging patterns of consumer behavior, the impact of technology, and the effects of market forces and policy shifts on health insurance choices. By concentrating on these aspects, the study will seek to establish the factors that influence consumer behavior in the health insurance market.

### 1.2 Objectives of the Review

1. Examine the factors that consumers consider when choosing health insurance policies.
2. Examine the theoretical foundations that underpin the understanding of consumer behavior of health insurance products.

### 2.3 Theoretical Model



## 2. Methodology

The methodology encompasses the following steps:

- **Literature Search:** The databases used in the literature search included PubMed, Scopus, Web of Science, and Google Scholar. The search was limited to articles, reviews, and empirical studies published between 2000 and 2023. A literature search was done using the following words: “consumer behavior”, “health insurance”, “decision making”, “behavioral economics”, and “risk perception”.
- **Inclusion and Exclusion Criteria:** The criteria for the articles included in the review were the articles that dealt with consumer behavior in health insurance, the articles that gave the understanding of the factors that influenced the decision-making making, and the articles that dealt with demographic and psychological factors of health insurance. Studies not related to health insurance, non-peer-reviewed articles, and articles published before the year 2000 were excluded from the study.
- **Data was abstracted from the chosen articles:** study type, participants’ description, research outcomes, and authors’ conclusions. Particular attention was paid to the socio-economic status, risk perception, cultural factors, and marketing strategies as the factors influencing the decision to purchase health insurance.
- **Thematic Analysis:** The collected data were analyzed thematically to determine patterns and trends of consumers’ behavior in health insurance. Specific topics including risk-taking, the role of social networks, and the effects of policymaking on decision making were explored in depth.
- **Synthesis of Findings:** The results of the thematic analysis were then integrated to give a broad perspective of the factors that affect consumer decision-making in health insurance. The synthesis was conducted to define the existing research gaps and to indicate the directions for further studies.

## 3. Theoretical Frameworks in Consumer Behavior

To understand consumer behavior in the context of health insurance decision-making, it is important to look at several theoretical models. These frameworks describe the consumer decision process, the stages in the consumer decision-making process, and the cultural influences on the consumer decision-making process. By these theories, the researchers and policymakers can have a clear picture of consumer behavior and assist in the formulation of strategies for improved decision-making in the health insurance markets.

### 3.1 Behavioral Economics and Decision-Making

Behavioral economics is a field of study that integrates principles from psychology and economics to understand why people do not always act in the way that is predicted by the rational agent model of economics. In health insurance, consumers have been known to make decisions based on biases such as loss aversion where the potential losses are perceived to be larger than equivalent gains, thus, people will avoid high deductible plans even if they are cheaper in the long run (Baicker, Mullainathan, & Schwartzstein, 2015). Furthermore, insurance plans can be complicated, and this confuses the consumer, and they end up using heuristics or simplified decision rules, which may lead to irrational decisions (Handel & Kolstad, 2015).

### 3.2 Psychological Factors Influencing Consumer Choices

Cognitive factors such as biases and heuristics play a crucial role in the decision-making process of health insurance. For instance, the status quo bias, which is the tendency of consumers to stick to the current plans rather than embrace new ones, may deny them the chance to embrace better or cheaper insurance plans (Johnson et al., 1993). In addition, framing effects, which are the effects of the way information is presented on the decisions made, are important in health insurance environments because how options are described can change consumer preferences (Kahneman & Tversky, 1984).

### 3.3 Socio-Cultural Determinants of Health Insurance Decisions

Socio-cultural factors are also determinants of health insurance, and these include social norms, cultural values, and family influence. Risk and healthcare preferences, cultural beliefs, and social norms affect the decision to purchase insurance and the type of insurance to purchase (Kannan & Kopalle, 2001). Also, in many cultures, family or friends are involved in the decision-making process and the choice of individual consumers especially in collectivist cultures (Shaw & Shiu, 2003).

## 4. Consumer Perception of Health Insurance

Consumer perception of health insurance involves their understanding of insurance concepts, perceived value and risk, and the level of trust in insurance providers.

### 4.1 Understanding Consumer Awareness and Knowledge

Consumer education and knowledge is very vital in the purchase of health insurance. Research shows that the public has low insurance literacy, and this affects their choices. Insurance choices are also related to health literacy because people with high health literacy are well-placed to make the right insurance choices. From the programs that are aimed at enhancing health literacy, consumer decision-making is enhanced.

#### 4.2 Perceived Value and Risk in Health Insurance

Perceived value and risk are two factors that influence the decision to take health insurance. Consumers may evaluate insurance plans in terms of the perceived cost and benefit of the insurance plan (Hsu et al., 2014). High deductibles and premiums may discourage people from taking insurance even though it has long-term benefits (Miller et al., 2016). The perceived attractiveness of insurance and financial protection can be enhanced by better communication on the value of insurance (Hsu et al., 2014).

#### 4.3 The Role of Trust and Confidence in Decision-Making

Insurance consumers' satisfaction and loyalty depend on the level of trust and confidence in the insurance providers. Loyal consumers are those who have confidence in their insurance provider and are likely to stay with the company. Trust is established through open communication, dependable service, and prompt claims handling (Gerber & Green, 2000). Hibbard and Peters (2003) have noted that the clarity of the information given assists in the development of confidence in insurance choices.

### 5. Factors Influencing Health Insurance Decision-Making

#### 5.1 Demographic Influence on Health Insurance Decision-Making

The study further showed that socio-economic status, age, and education level are some of the factors that affect consumer behavior in health insurance. The higher income earners are more likely to seek health insurance policies, and this is due to risk diversification and the ability to pay for the premiums. On the other hand, low-income earners may choose to take very limited health insurance because of the costs involved (Wagstaff et al., 2018; Keane & Stavrunova, 2016).

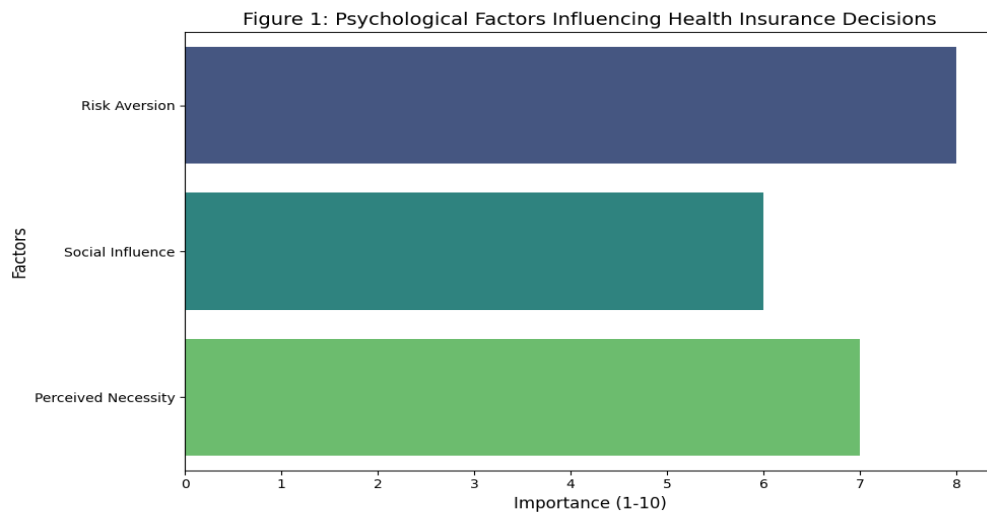
**Table 1.** Influence of Socio-Economic Factors on Health Insurance Choices

Demographic Factor	Influence on Decision-Making	Reference
Income Level	Higher income correlated with comprehensive plan selection	Wagstaff et al., 2018
Education Level	Higher education associated with a better understanding of plan benefits	Keane & Stavrunova, 2016
Age	Older individuals prefer plans with extensive coverage	Batbaatar et al., 2017

Table 1 shows how demographic factors affect the choice of health insurance. Wagstaff et al., (2018) note that higher income is associated with the choice of first-dollar coverage, due to risk preference and ability to pay. People with a higher level of education are more likely to have a better understanding of the insurance benefits (Keane & Stavrunova, 2016). Also, it is important to note that older people tend to select more comprehensive insurance plans (Batbaatar et al., 2017) as they require more medical services and have higher incomes.

#### 5.2 Psychological and Behavioral Factors

Behavioral economics is an important consideration in the health insurance decision-making process. The thematic analysis also revealed that risk aversion was the most prominent factor, where consumers tend to go for plans that offer a lot of coverage even if the premium is high (Cutler & Zeckhauser, 2004). Also, social pressure and perceived need for insurance were other determinants of choices (Loewenstein et al., 2013; Baicker et al., 2012).



Source: Adapted from Loewenstein et al. (2013) and Baicker et al. (2012)

**Figure 1. Psychological Factors Influencing Health Insurance Decisions**

Source: Adapted from Loewenstein et al. (2013) and Baicker et al. (2012).

Figure 1 depicts the psychological factors that affect the decision to obtain health insurance with a focus on risk aversion, social pressure, and perceived need. The main factor that is highlighted is risk aversion whereby consumers are more inclined towards the plans that provide more coverage regardless of the cost. Social influence and the perceived necessity of insurance also play a role in decision-making, which is why these factors should be taken into consideration in behavioral economics (Loewenstein et al., 2013; Baicker et al., 2012).

### 5.3 Cultural and Social Influences

It was also established that cultural beliefs and social relations influenced health insurance choices. In societies where the decision-making process is collective, people are likely to be guided by the decisions made by their families and the community when choosing health insurance (Kane & Buse, 2019; Khullar & Chokshi, 2018).

**Table 2. Cultural and Social Influences on Health Insurance Decisions**

Cultural/Social Factor	Impact on Decision-Making	Reference
Communal Decision-Making	Higher likelihood of following family/community advice	Kane & Buse, 2019
Cultural Norms	Cultural views on health influence insurance adoption	Khullar & Chokshi, 2018

Table 2 shows how cultural and social factors impact health insurance. It points out that communal decision-making plays a major role in decision-making since people are more likely to listen to their families and communities. Also, culture plays a role in insurance uptake since the perception that people have towards health influences their decision to take an insurance cover. This table supports the cultural and social factors in health insurance behaviors as highlighted by Kane & Buse (2019) and Khullar & Chokshi (2018).

### 5.4 Discussion

This review also shows that the decision to take health insurance is influenced by socioeconomic, psychological, and cultural factors. The effect of income and education levels on the choice of health insurance plans is also in line with the previous studies, which reveal that higher income allows consumers to choose more extensive coverage (Wagstaff et al., 2018). This supports the call for policies that seek to extend the affordability of health insurance to the lower-income groups.

Risk aversion was identified as a behavioral factor that influenced consumer preferences, thus supporting the findings by Cutler and Zeckhauser (2004) on health insurance choices. Consumers are willing to sacrifice the cost of the plan for the level of security that is provided by the plan. This knowledge could be used by insurance firms to develop products that are in harmony with consumer psychology hence enhancing the uptake of the products.



Cultural and social aspects add another layer of complexity to the decision-making process, especially in collectivist cultures where the group's decision influences the individual decision-making process (Kane & Buse, 2019). This implies that the marketing of health insurance should be done with consideration to the cultural practices of the target group, including the family and the community.

## 6. Conclusion

This review also underscores the complexity of consumer behavior in the health insurance decision-making process, and the importance of socio-economic, psychological, and cultural factors. The socioeconomic status of the people including income, education, and age significantly affects the decision to take health insurance and the type of plan chosen with higher income and education level being associated with better plan choices. Psychological factors such as the fear of loss and risk aversion influence the consumers' choices, and they opt for plans with more coverage regardless of the costs. These findings are in line with behavioral economics theories and stress the need to consider consumer psychology to enhance the market and products.

Cultural and social factors also play a role in the decision-making process, especially in collectivist cultures where the decision of an individual is influenced by the family and society. This review suggests that there is a need to incorporate these cultural factors in the marketing of health insurance and formulation of policies to increase the uptake. The authorities and insurance companies should pay more attention to the enhancement of consumers' knowledge and the peculiarities of cultural and social factors influencing insurance choices.

In conclusion, it is possible to state that the identification of these determinants can contribute to the development of interventions aimed at enhancing consumer knowledge and decision-making in the context of health insurance and healthcare markets. Future research should also take these factors and their interactions into account to improve the knowledge of the approaches that satisfy the consumers' needs and improve the accessibility and cost of health insurance.

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