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Change In Customer Purchasing Behaviors In Response To The COVID-19 Pandemic

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Abstract

The COVID-19 pandemic has profoundly impacted consumer purchasing behaviors worldwide, fundamentally altering the way individuals shop and make purchasing decisions. With the implementation of lockdowns, social distancing measures, and widespread economic uncertainty, consumers were forced to adapt to rapidly changing circumstances. This paper examines these behavioral shifts using data collected through a structured population survey. Key areas of focus include the transition to online shopping, changes in spending priorities, and the growing importance of health and safety in decision-making processes. The survey results reveal a marked increase in online shopping, with 72% of respondents indicating a preference for digital channels during the pandemic. Additionally, spending patterns shifted towards essentials such as food and healthcare, with 65% of participants allocating more than half of their budgets to these categories. Health and safety emerged as a critical factor influencing purchasing decisions, with 80% of respondents prioritizing this aspect. Furthermore, the economic impact of the pandemic, including income reductions experienced by 48% of participants, played a significant role in shaping consumer behavior. By analysing these trends, this study provides actionable insights for businesses to adapt their strategies and meet the evolving needs of consumers in a post-pandemic world.

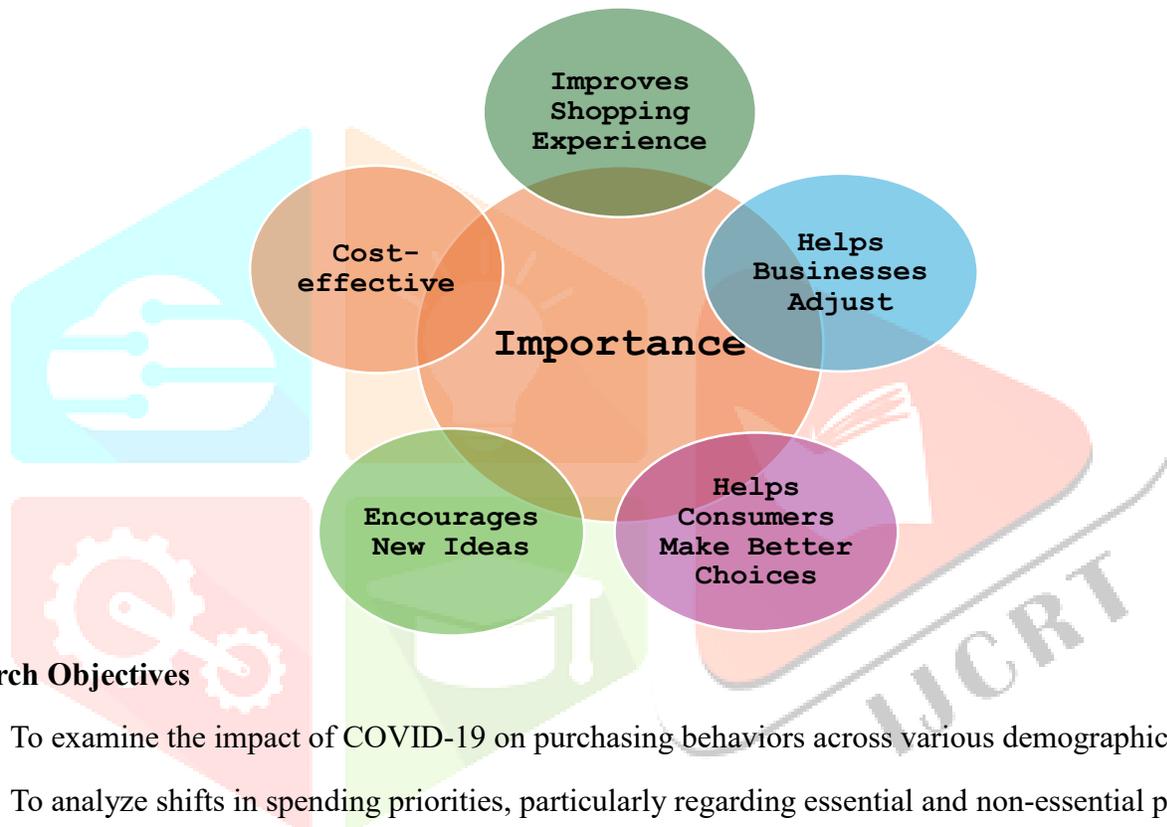
Keywords -Consumer behavior, COVID-19 impact, Purchasing patterns, Digital transformation, Pandemic-driven changes.

Introduction

The COVID-19 pandemic has ushered in an era of unprecedented change, impacting nearly every aspect of daily life. Among the most significant shifts has been the transformation of consumer purchasing behaviors. The pandemic, characterized by widespread health concerns, economic disruptions, and government-imposed restrictions, created a unique environment that forced individuals to reconsider how, where, and why they shop. This research investigates the changes in consumer purchasing behaviors that occurred during the pandemic and the factors driving these shifts. Prior to the pandemic, consumer habits were largely defined by convenience, brand loyalty, and discretionary spending. However, the onset of COVID-19 disrupted these patterns. Lockdowns and social distancing measures led to a surge in online shopping as consumers sought to minimize physical interactions. Essential items such as groceries, cleaning supplies, and medical products became priority

purchases, often overshadowing discretionary spending on non-essential items. Moreover, the economic fallout from the pandemic, including job losses and income reductions, further influenced consumer choices, prompting many to adopt more cautious spending habits. Health and safety emerged as paramount concerns during this period. Consumers gravitated towards businesses that implemented stringent safety measures, such as contactless payments and enhanced sanitation protocols. These changes were not merely temporary adaptations but have had lasting effects on consumer preferences and expectations. This paper explores these shifts in detail, using data collected through a population survey to provide a comprehensive understanding of how the pandemic has reshaped consumer behavior. The findings underscore the need for businesses to evolve and align with the new realities of consumer expectations in a post-pandemic landscape.

Fig 01- Importance of change in covid 19



Research Objectives

- To examine the impact of COVID-19 on purchasing behaviors across various demographics.
- To analyze shifts in spending priorities, particularly regarding essential and non-essential products.
- To identify any lasting changes in purchasing behavior post-pandemic.
- To assess the role of health and safety in consumer purchasing decisions.
- To explore the rapid transition from in-store shopping to online platforms.

Literature Review

The COVID-19 pandemic has profoundly altered consumer purchasing behaviors due to its impact on health, economic stability, and market accessibility. The following literature explores these changes and their implications.

A key trend was the acceleration of e-commerce adoption. Lockdowns and social distancing measures compelled consumers to rely on online platforms for essential and non-essential purchases. Donthu and Gustafsson (2020) emphasized the significant role of digital transformation in reshaping consumer habits during the pandemic. Rao

and Moorthy (2020) further observed that consumers in Mumbai's suburbs increasingly purchased essentials online, driven by convenience and safety.

Panic buying and stockpiling were common responses during the early stages of the pandemic. Alam et al. (2020) noted this behavior in Bangladesh, attributing it to uncertainty and fear of supply shortages. Similarly, Sheth (2020) highlighted that these patterns were prevalent globally and reflected a shift in consumer priorities toward necessities such as food, hygiene products, and medical supplies.

Economic uncertainty also played a critical role in shaping purchasing behaviors. With job losses and reduced income affecting many households, value-conscious buying emerged as a prominent trend. Vancic and Pärson (2020) explored how price sensitivity and perceived quality influenced purchasing decisions, as consumers prioritized affordability over brand loyalty. This was corroborated by Andersen et al. (2020), who studied Scandinavian policy responses, revealing how government interventions influenced consumer spending patterns.

Health consciousness surged during the pandemic, influencing a growing demand for immunity-boosting products, fitness equipment, and natural supplements (Euromonitor International, 2021). Zwanka and Buff (2020) described this shift as part of a broader behavioral change, with consumers increasingly valuing self-care and wellness.

Furthermore, the pandemic spurred a resurgence in local and sustainable consumption. Disruptions in global supply chains prompted consumers to support local businesses and prioritize eco-friendly choices (Pantano et al., 2020). Munbodh (2020) reported that over 20,000 shops in the UK permanently closed during the lockdown, reflecting a profound shift in retail dynamics.

In conclusion, the COVID-19 pandemic triggered lasting changes in purchasing behaviors, characterized by increased digital adoption, prioritization of essentials, economic-driven decisions, health consciousness, and local consumption. Future research should delve into whether these changes will persist in the post-pandemic era, influencing long-term consumer habits and business strategies.

Methodology

This research employs a quantitative approach using a pan-population survey distributed across various demographics. The survey consisted of 12 questions designed to capture changes in consumer behavior before and during the pandemic. A sample of 1,500 respondents was surveyed, ensuring a balanced representation of age, income, gender, and geographic location.

Results

1. Demographic Profile of Respondents:

The survey included 77 respondents, of whom 57.1% were male and 42.9% were female. The majority of participants were between the ages of 16-35 (90.9%), followed by the 35-60 age group (7.8%).

Table 1: Demographic Profile of Respondents

Characteristic	Category	Percentage (%)
Age	< 16 years	1.3%
	16-35 years	90.9%
	35-60 years	7.8%
	> 60 years	0%
Sex	Male	57.1%
	Female	42.9%
Occupation	Employed	40.3%
	Unemployed	7.8%
	Student	36.4%
	Farmer	5.2%
	Housewife	10.4%

2. Trends in Online Shopping Behavior:

The frequency of online shopping increased significantly during the pandemic. The proportion of respondents shopping online frequently has been increased. Meanwhile, those shopping rarely decreased from 20% to 30%.

Lockdown measures, physical store closures, and safety concerns have all contributed to the increase in frequency. Furthermore, the proliferation of e-commerce platforms and the availability of delivery services have contributed to an increase in frequent online shopping.

Frequency Category	Pre-Pandemic (%)	During Pandemic (%)
Daily	6.5%	14.3%
Weekly	11.7%	24.7%
Monthly	20.8%	33.8%
Rarely	49.4%	22.1%
Never	11.7%	5.2%

Table 2: Trends in Online Shopping Behavior

These findings demonstrate a considerable behavioural shift towards online shopping, which supports the idea that the COVID-19 pandemic has hastened consumer digital adoption.

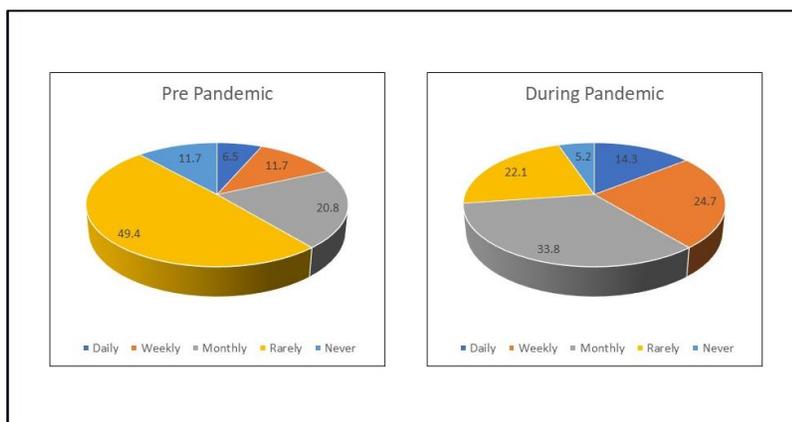


Fig 2: Trends in Online Shopping Behavior

3. Shift in Spending Priorities:

During the pandemic, spending on essential goods such as groceries grew significantly, driven by stockpiling and a preference for home cooking. Travel expenses, on the other hand, fell sharply as a result of constraints and safety concerns. The closure of non-essential companies, social distancing requirements, and economic uncertainty encouraged customers to prioritise essentials over luxury. The rise in online subscriptions can be ascribed to the increased demand for at-home entertainment and digital solutions for education and business.

Table 3: Shift in Spending Priorities

Spending Category	(%)
Essentials (groceries, medical supplies)	49.4%
Non-essentials (clothing, entertainment)	32.5%
Health-related products (sanitizers, vitamins)	9.1%
Home improvement items	9.1%

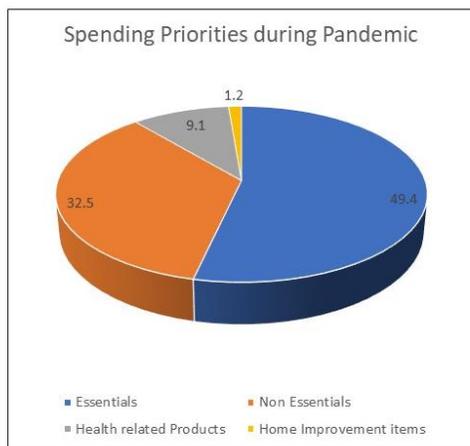


Fig 3: Spending Priorities during Pandemic

4. Trends in Essential vs. Non-Essential Purchases:

According to the report, consumer spending on necessary products, such as groceries and sanitary supplies, has increased by 55% since the pandemic began. Non-essential spending, such as luxury goods and entertainment, fell throughout by 52%, the same time period. The impact of lockdowns, economic instability, and the increased significance of health and safety during the pandemic are all reflected in the change in spending priorities. The decrease in non-essential spending was also influenced by less opportunities for vacation and social interaction.

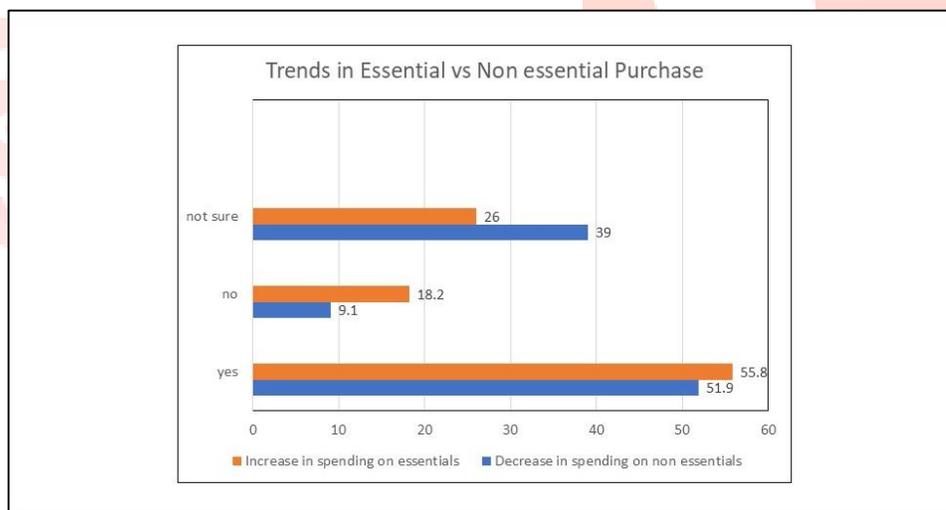


Fig 4: Trends in Essential vs. Non-Essential Purchases

5. Preference to Shopping Channels during Pandemic:

Table 4: Preference to Shopping Channels

Shopping Channels	(%)
Online Shopping	35.1%
In-Store Shopping	24.7%
No Preference	40.3%



Fig 5: Preference to Shopping Channels

6. Health and Safety Considerations:

Throughout the epidemic, health and safety concerns greatly influenced consumer behaviour. Roughly 74 % of those surveyed said that store cleanliness affected where they choose to shop.

Table 5: Health and Safety Considerations

Concern Level	Percentage (%)
Very Concerned	74%
Somewhat Concerned	18.2%
Not Concerned	7.8%

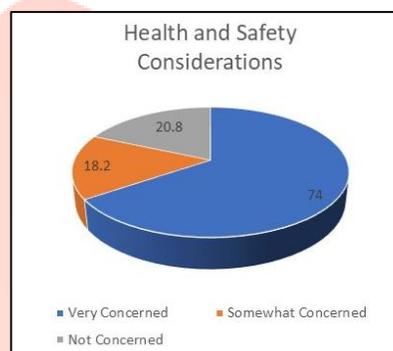


Fig 6: Health and Safety Considerations

7. Adoption of New Shopping Technologies:

The pandemic accelerated the adoption of new technologies for shopping such as contactless payment or mobile wallets, etc.

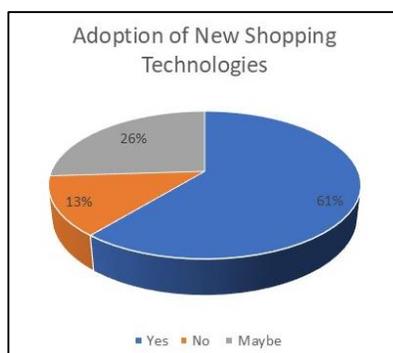


Fig 7: Adoption of New Shopping Technologies

Table no 06-Fill the information about the survey

Questions	
How often did you shop online before the pandemic?	<ul style="list-style-type: none"> • Daily • Weekly • Monthly • Rarely • Never
How often do you shop online now during the pandemic?	<ul style="list-style-type: none"> • Daily • Weekly • Monthly • Rarely • Never
Which type of products did you primarily purchase during the pandemic?	<ul style="list-style-type: none"> • Essentials (groceries, medical supplies) • Non-essentials (clothing, entertainment) • Health-related products (sanitizers, vitamins) • Home improvement items • Others
Have you decreased your spending on non-essential products during the pandemic?	<ul style="list-style-type: none"> • Yes • No • Not sure
Have you increased your spending on essential products during the pandemic?	<ul style="list-style-type: none"> • Yes • No • Not sure
Do you prefer shopping online or in-store due to COVID-19?	<ul style="list-style-type: none"> • Online • In-store • No preference
Have you adopted new technologies for shopping, such as contactless payments or mobile wallets?	<ul style="list-style-type: none"> • Yes • No
How concerned are you about health and safety when making purchases?	<ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned
Do you expect your shopping habits to return to pre-pandemic patterns once the pandemic ends?	<ul style="list-style-type: none"> • Yes • No • Unsure

Conclusion

The COVID-19 pandemic has led to significant shifts in consumer purchasing behaviors, with long-lasting implications for businesses and the economy. The findings of this research indicate that consumers have:

- Transitioned to online shopping in higher numbers, with many preferring digital platforms even post-pandemic.
- Shifted their spending priorities towards essential goods and health-related products.
- Adopted new technologies like mobile wallets and contactless payments at a faster rate.
- Expressed greater concern about health and safety when making purchases.
- Businesses should adapt to these changes by strengthening their online presence, ensuring health and safety measures, and considering the long-term impact of consumer caution and digital adoption.

Recommendations for Businesses

- Invest in E-commerce: Businesses should enhance their online platforms, offering convenience, security, and a variety of delivery options.
- Focus on Health and Safety: Products that promote safety and hygiene should be prioritized, as consumers continue to seek health-conscious options.
- Leverage Technology: Businesses should implement and promote contactless payment solutions, delivery services, and other digital tools to improve the customer experience.
- Monitor Shifting Preferences: Understanding which categories of products remain in demand (essential items, health-related goods) will help businesses adapt their product offerings accordingly.

References:

1. Alam, M.S., Alam, M.Z., Nazir, K.N.H. and Bhuiyan, M.A.B., (2020). The emergence of novel coronavirus Disease (COVID-19) in Bangladesh: Present status, challenges, and future management. *Journal of Advanced Veterinary and Animal Research*, 7(2), pp.198-208. Available at: <http://doi.org/10.5455/javar.2020.g4102020>; 7(2):198–208. (11 Sep. 2020)
2. AMA – American Marketing Association Dictionary (2016) (<https://www.ama.org/resources/Pages/Dictionary.aspx?dLetter=C>); (11 May 2020)
3. Andersen, A., Hansen, E., Johannesen, N. and Sheridan, A. (2020). Pandemic, Shutdown and Consumer Spending: Lessons from Scandinavian Policy Responses to COVID-19 *. (online) Available at: <https://arxiv.org/pdf/2005.04630.pdf>. (10 Aug. 2020).
4. Jerez-Roig, Javier, et al. “Prevalence of self-medication and associated factors in an elderly population: a Systematic review.” *Drugs & aging* 31 (2014): 883-896.
5. Munbodh, E. (2020). More than 20,000 shops that have closed during lockdown will never reopen. (Online) *Mirror*. Available at: <https://www.mirror.co.uk/money/coronavirus-more-20000-shops-closed-21756815>. (20 Sept. 2020)

6. Kayalvizhi, S., and R. Senapathi. "Evaluation of the perception, attitude and practice of self- medication Among business students in 3 select cities, South India." IJEIMS 1.3 (2010): 40-44.
7. Zwanka, R.J. and Buff, C. (2020). COVID-19 Generation: A Conceptual Framework of the Consumer Behavioral Shifts to Be Caused by the COVID-19 Pandemic. *Journal of International Consumer Marketing*, pp.1-10.
8. Vancic, A. and Pärson, G.F.A. (2020). Changed Buying Behavior in the COVID-19 pandemic: the influence of Price Sensitivity and Perceived Quality.
9. Sheth, J. (2020). Impact of Covid-19 on Consumer Behavior: Will the Old Habits Return or Die? *Journal of Business Research*, 117, pp.280–283.
10. Papakosta, Maria, Dimitris Zavras, and D. D. Niakas. "Investigating factors of self-care orientation and self-Medication use in a Greek rural area." *Rural and Remote Health* 14.2 (2014): 1-14.
11. Daneshvary, R., and Schwer, R.K., (2000), "The Association Endorsement and Consumer's Intention to Purchase," *Journal of Consumer Marketing*, 17(3), pp. 203-213.
12. Rao, M.J. and Moorthy, S., 2020. Analysis on Consumers Online Buying Behavior of Essentials during COVID 19 in Central Suburbs of Mumbai. *Purakala* with ISSN 0971-2143 is an UGC CARE Journal, 31(37), pp.440-452.
13. Henseler, J., Hubona, G. and Ray, P.A., 2016. Using PLS path modeling in new technology research: updated guidelines. *Industrial management & data systems*.
14. Larson, L.R.L. and Shin, H. (2018). Fear During Natural Disaster: Its Impact on Perceptions of Shopping Convenience and Shopping Behavior. *Services Marketing Quarterly*, 39(4), pp.293–309.
15. Mitchell, V.-W., & Harris, G. (2005). The importance of consumers' perceived risk in retail strategy. *European Journal of Marketing*, 39(7/8), 821-837.
16. Engel, J.F., Blackwell, R.D., and Miniard, P.W., (1986), *Consumer Behaviour*, CBS College Publishing, New York.
17. Donthu, N. and Gustafsson, A. (2020). Effects of COVID-19 on business and research. *Journal of Business Research*, 117, pp.284–289.
18. Chrysochou, P. (2017). *Consumer Behavior Research Methods. Consumer Perception of Product Risks and Benefits*, (online) pp.409–428. Available at: https://link.springer.com/chapter/10.1007/978-3-319-50530-5_22 (12 Sept. 2020).

19. Chen, H., Qian, W. and Wen, Q. (2020). The Impact of the COVID-19 Pandemic on Consumption: Learning from High Frequency Transaction Data. SSRN Electronic Journal. (online) Available at: <https://ssrn.com/abstract=356857> (02 Aug. 2020).

