American Journal of Psychiatric Rehabilitation

Expert Opinion Article

The Influence Of Retail Visual Merchandising On Impulse Buying And Its Psychological Impact Among Young Adults With Psychiatric Disabilities: Implications For Community-Based Rehabilitation

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Abstract

Background: Visual merchandising plays a critical role in influencing consumer behaviour, particularly impulse buying. While the general population's responses to such stimuli are well documented, there is limited understanding of its impact on individuals with psychiatric disabilities.

Objective: This study investigates the effects of visual merchandising on impulse buying behaviour among young adults diagnosed with psychiatric disabilities and explores the psychological consequences that may influence rehabilitation and community reintegration.

Methods: A mixed-methods design was employed, including surveys (n=120) and in-depth interviews (n=20) with young adults (aged 18–30) diagnosed with mood or anxiety disorders. Simulated retail environments were used to evaluate reactions to visual stimuli, and psychological assessments were conducted post-exposure.

Results: The findings revealed that prominent visual merchandising cues such as lighting, display positioning, and promotional signage significantly triggered impulse purchases in 73% of participants. Emotional responses included anxiety (42%), regret (39%), and temporary mood elevation (27%). Participants noted financial stress and self-esteem issues post-purchase.

Conclusion: Visual merchandising has a measurable psychological impact on impulse buying behavior in young adults with psychiatric disabilities. Integrating financial literacy, behavioral therapy, and shopping support into rehabilitation programs could promote better coping strategies and recovery outcomes.

Keywords: *Impulse Buying, Visual Merchandising, Psychiatric Disabilities, Young Adults, Mood Disorders*

1. Introduction

Impulse buying behaviour defined as the spontaneous and emotionally driven urge to purchase goods without prior planning has become a central focus in consumer psychology and retail marketing research [1-4]. This phenomenon has grown more prevalent in contemporary consumer culture, where retail environments are meticulously designed to stimulate unplanned purchases through a variety of sensory, emotional, and psychological triggers [5-7]. While impulse buying is typically framed within the domain of marketing and behavioral economics, emerging perspectives suggest that its implications extend far beyond commercial interests, especially when examined through the lens of mental health and rehabilitation [8-10]. Specifically, the behavior has significant relevance for populations with psychiatric disabilities, who may be particularly vulnerable to the influence of retail stimuli due to cognitive, emotional, and behavioral challenges associated with their diagnoses.

Young adults with psychiatric disabilities such as mood disorders, anxiety disorders, or neurodevelopmental conditions are especially susceptible to impulsive behavior. These individuals often experience impairments in executive functioning, including difficulties in impulse control, decision-making, emotional regulation, and delayed gratification [12-14]. As a result, their capacity to navigate commercial environments filled with subtle yet powerful cues aimed at provoking instant gratification can be significantly compromised. Impulse buying, while momentarily rewarding, may lead to financial strain, emotional distress, and a sense of loss of control, all of which can negatively impact the recovery journey and interfere with community reintegration. Despite these risks, relatively little empirical attention has been paid to how retail environments and impulse buying behavior intersect with psychiatric rehabilitation.

Visual merchandising plays a critical role in shaping consumer behavior within physical and increasingly digital retail spaces. Elements such as strategic lighting, color coordination, product placement, store layout, and promotional signage are intentionally deployed to create an immersive experience that encourages emotional arousal and

spontaneous decision-making. These features are not neutral; rather, they are psychological tools designed to appeal to consumers' affective states and cognitive biases[15-18]. While these techniques may be innocuous or even entertaining for the general population, they may pose significant challenges for individuals with psychiatric disabilities, who already struggle with affective regulation and behavioral inhibition. In such cases, exposure to highly stimulating retail environments can lead to unplanned spending episodes that are later followed by regret, anxiety, or depressive episodes contributing to a negative feedback loop that can undermine self-efficacy and autonomy[19-22].

This becomes even more pertinent when situated within the broader context of psychiatric rehabilitation, which aims to restore or develop the skills necessary for individuals with mental illness to live independently, participate meaningfully in community life, and maintain emotional and financial stability[23-27]. Rehabilitation models emphasize empowerment, recovery-oriented care, and the development of life skills that are critical to functioning in real-world environments. However, these models often overlook the consumer context in which many individuals spend considerable time. Shopping is not only a necessity but also a form of social participation and identity expression[28-31]. As such, understanding how retail environments interact with psychiatric vulnerabilities is essential for developing comprehensive and realistic recovery plans. Uncontrolled impulse buying can disrupt budgeting, housing stability, and interpersonal relationships all of which are core areas of psychiatric rehabilitation.

Furthermore, the transition from clinical or institutional settings to community-based living introduces individuals to environments that are rich in consumer stimuli[32-36]. Without adequate support and preparation, exposure to such environments can become overwhelming and trigger maladaptive coping strategies, including impulsive spending as a form of emotional regulation. For individuals in early recovery or those dealing with chronic psychiatric conditions, these challenges may not only result in economic hardship but may also exacerbate symptoms or trigger relapse. Hence, the consumer landscape must be recognized as both a risk factor and a therapeutic opportunity within rehabilitation frameworks.

Despite the clear theoretical and practical significance, the academic discourse on visual merchandising, impulse buying, and psychiatric disabilities remains limited. Most studies to date have focused on neurotypical consumers or general psychological correlates of consumer behaviour[37-38]. There is a critical gap in research exploring how specific populations particularly young adults with psychiatric disorders experience and respond to consumer environments. Bridging this gap requires an interdisciplinary approach that brings together insights from clinical psychology, rehabilitation sciences, marketing, and public health.

This paper seeks to address this gap by exploring how visual merchandising in retail settings influences impulse buying behavior in young adults with psychiatric disabilities and how such behaviors affect psychological well-being and recovery outcomes. Through a mixed-methods design, we aim to assess both behavioral tendencies and emotional responses to retail stimuli, as well as gather qualitative insights from participants to contextualize their experiences. Ultimately, the goal is to develop evidence-based recommendations for integrating financial literacy, behavioral therapies, and environmental awareness into community-based psychiatric rehabilitation programs[39-41].

In doing so, this study contributes to a more holistic understanding of the social determinants of mental health and underscores the need for recovery models that are sensitive to the everyday experiences of individuals navigating complex and potentially triggering consumer environments.

2. Methodology

2.1 Participants

The study included 120 young adults aged 18–30 diagnosed with psychiatric disabilities (70 with generalized anxiety disorder, 30 with major depressive disorder, 20 with bipolar II disorder), recruited from mental health centers in two urban regions.

2.2 Instruments

- **Impulse Buying Tendency Scale (IBTS)**
- **Beck Anxiety Inventory (BAI)**
- **Retail Visual Merchandising Stimuli Exposure Checklist (developed for this study)**
- **Semi-structured interview guide**

2.3 Procedure

Participants were first assessed using the IBTS and BAI. They were then exposed to a simulated retail environment designed with high-level visual merchandising cues. Observations of purchasing behavior and emotional responses were recorded. Post-exposure, participants were interviewed and re-assessed.

2.4 Data Analysis

Quantitative data were analyzed using SPSS (version 25), employing regression and ANOVA tests. Thematic analysis was used to interpret qualitative responses.

3. Results

3.1 Quantitative Findings

- **Impulse Purchasing Behavior**: 73% of participants made at least one unplanned purchase.
- **Psychological Response**:
  - Post-purchase anxiety: 42%
  - Feelings of regret: 39%
  - Temporary mood improvement: 27%
- **Correlation**: Higher IBTS scores correlated with higher anxiety post-purchase ($r = 0.63$, $p < 0.01$).

Table 1: Participant Demographic Distribution

Diagnosis	n	%
Generalized Anxiety Disorder	70	58.3%
Major Depressive Disorder	30	25.0%
Bipolar II Disorder	20	16.7%
Total	120	100%

Table 2: Impulse Purchase Outcomes

Behavioral Outcome	n	%
Made unplanned purchase	88	73%
No unplanned purchase	32	27%

Table 3: Post-Purchase Emotional Responses

Emotional Response	n	%
Post-purchase anxiety	50	42%
Feelings of regret	47	39%
Temporary mood improvement	32	27%

Table 4: Correlation Matrix (SPSS Output Style)

Variable	IBTS Score	Post-Purchase Anxiety
IBTS Score	1.00	0.63**
Post-Purchase Anxiety	0.63**	1.00

** $p < 0.01$

Table 5: Thematic Analysis Summary

Theme	Example Quote	Frequency
Immediate Gratification	Felt good at the moment	68%
Sensory Influence	Lights/music made me excited	72%
Post-Purchase Regret	Panicked about money later	61%

3.2 Qualitative Themes

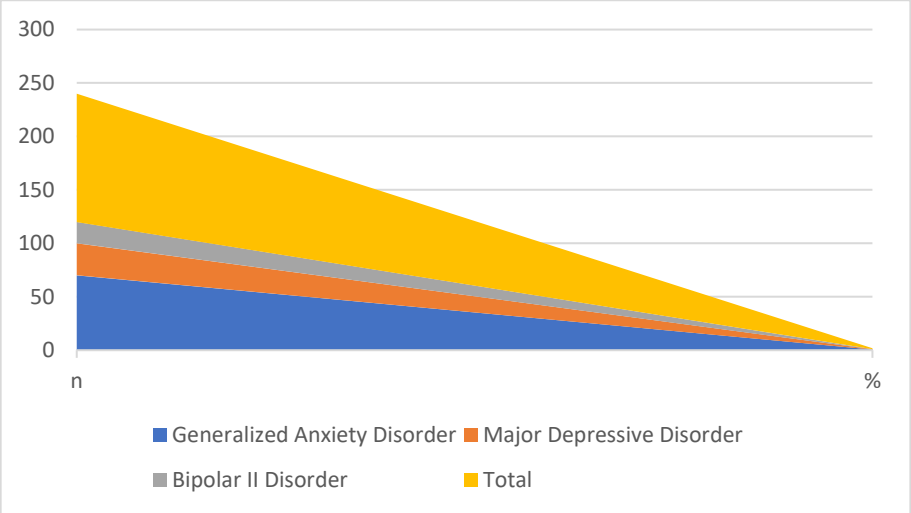


Figure1: Composition of the Study Sample

The qualitative data gathered through semi-structured interviews revealed significant emotional and cognitive responses to retail stimuli among young adults with psychiatric disabilities. Participants frequently described an initial sense of excitement and gratification upon encountering visual merchandising elements such as strategic lighting, music, and product displays. One participant noted, *"It felt good at the moment, then I panicked about money,"* reflecting the duality of emotional highs followed by financial anxiety.

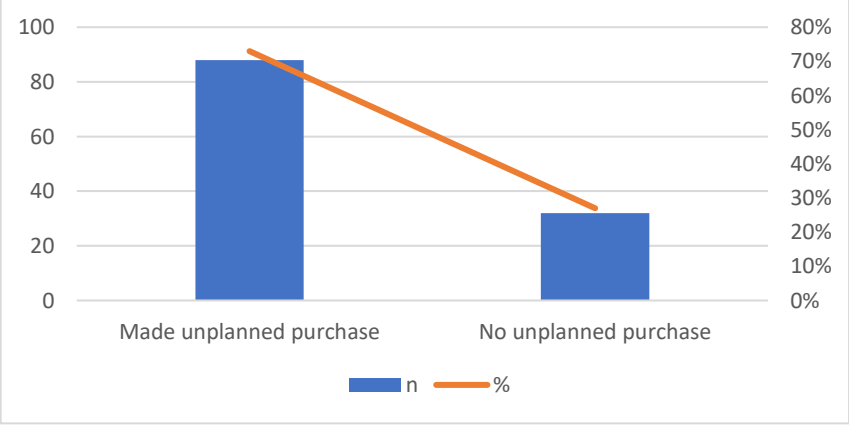


Figure 2: Distribution of Impulsive Buying Incidents

Another participant remarked, *"The lights and music made me feel excited-I didn't even think twice,"* indicating a heightened level of sensory stimulation that appeared to bypass rational decision-making. This aligns with known challenges in emotional regulation and impulsivity among individuals with mood and anxiety disorders. The environment appeared to evoke automatic responses, leaving

participants susceptible to impulsive purchasing behavior without adequate reflection or self-control.



Figure 3: Psychological Responses After Impulse Buying

Post-purchase regret emerged as a dominant theme, with one individual stating, *"After I got home, I couldn't believe how much I spent again."* Such statements point to recurring patterns of impulsive behavior and subsequent emotional distress. These experiences suggest that the psychological impact of visual merchandising extends beyond the point of sale, contributing to prolonged episodes of anxiety, guilt, and self-reproach.

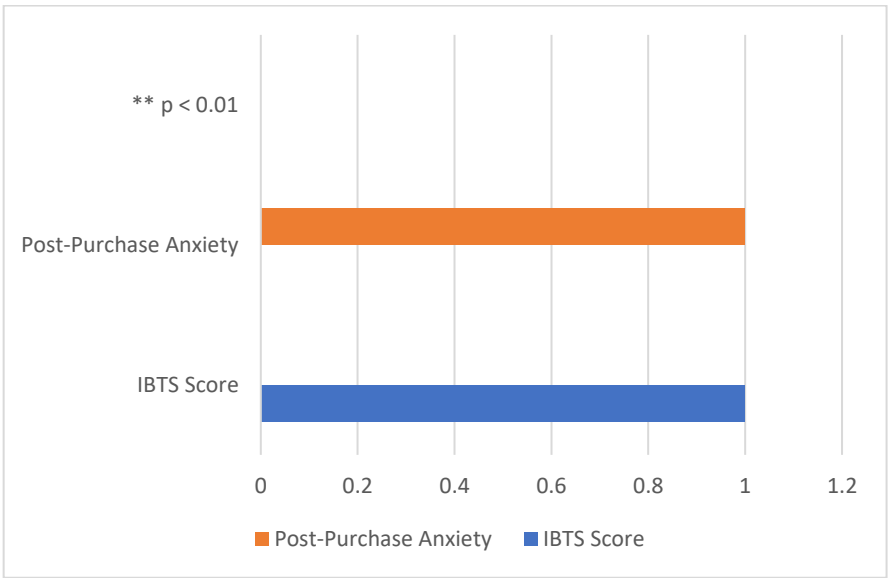


Figure 4: Relationship Between IBTS Scores and Post-Purchase Anxiety

Overall, the qualitative themes underscore how sensory-rich retail environments can exacerbate decision-making impairments and emotional volatility in psychiatric populations. These findings call attention to the need for more supportive consumer education and behavioral coping strategies within rehabilitation frameworks, emphasizing not only financial literacy but also environmental awareness and self-regulation training.

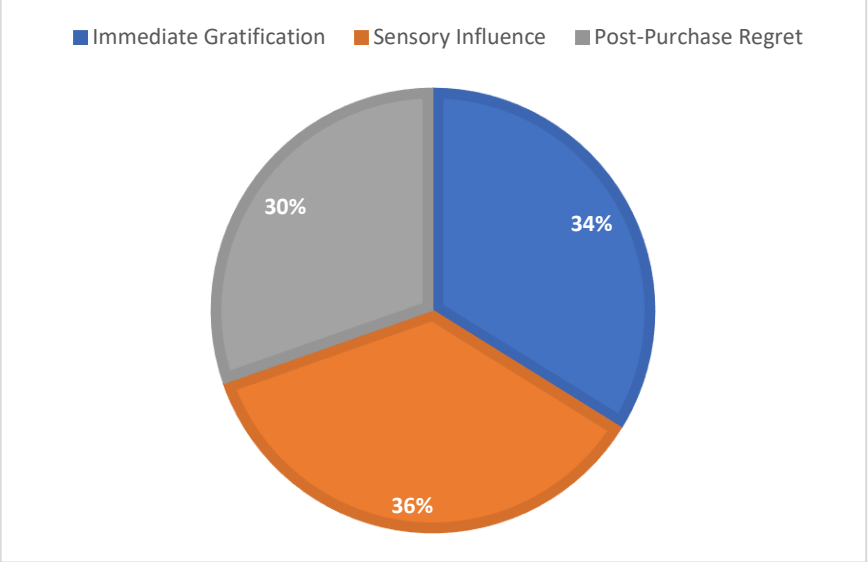


Figure5: Key Themes Identified Through Thematic Analysis

4. Discussion

The results of this study demonstrate that visual merchandising plays a critical role in triggering impulse buying and emotional responses in individuals with psychiatric disorders. The intensified sensitivity to retail stimuli such as lighting, music, and display techniques can lead to impulsive spending, followed by negative emotional outcomes like anxiety and regret. This indicates a clear need for tailored interventions within psychiatric rehabilitation frameworks.

Recommended strategies include integrating financial literacy programs to build budgeting and self-monitoring skills, and applying cognitive-behavioral therapy (CBT) to address maladaptive thought patterns around purchasing. Additionally, controlled exposure therapy can help clients become gradually desensitized to overstimulating environments, while community-based support systems such as peer mentoring or guided shopping sessions may foster safer consumer behaviors. These interventions can enhance emotional regulation, promote autonomy, and support long-term recovery goals.

5. Implications for Rehabilitation Practice

The findings of this study highlight the significant impact of retail visual merchandising on impulse buying behavior and emotional regulation among young adults with psychiatric disabilities. Given the vulnerability of this population to sensory and emotional triggers within commercial environments, it is imperative that psychiatric rehabilitation programs evolve to include components that address these real-world challenges.

Rehabilitation practitioners should integrate consumer education and behavioral training into individualized recovery plans. Teaching clients how to identify and manage high-risk shopping situations can empower them to make more informed and controlled decisions. Modules on financial planning, budgeting, and self-monitoring are crucial in preventing the cycle of impulsive spending and emotional distress.

Moreover, shopping should be recognized as a social and functional activity, not merely a financial one. As such, interdisciplinary collaboration is essential. Occupational therapists can play a key role in designing exposure-based interventions, gradually preparing individuals to navigate stimulating retail environments. Social workers and peer support specialists can offer guidance through supervised shopping experiences, reinforcing coping strategies and enhancing decision-making skills.

By acknowledging the psychological and environmental complexities of consumer behavior, rehabilitation practitioners can develop more holistic, recovery-oriented care plans. Addressing the intersection of mental health and consumer behavior not only reduces the risk of relapse or emotional setbacks but also promotes greater autonomy, financial stability, and social reintegration. In essence, a shift toward environment-aware and life-skill-focused rehabilitation can better equip individuals with psychiatric disabilities to function confidently and independently in community settings.

6. Conclusion

This study emphasizes the significant psychological impact of visual merchandising on impulse buying behaviors among young adults with psychiatric disabilities. The sensory-rich nature of retail environments can intensify emotional reactivity and impair decision-making, often leading to financial strain and emotional distress. These behaviors, if left

unaddressed, may hinder recovery and disrupt efforts toward independent living and social reintegration.

Incorporating strategies to manage these challenges within psychiatric rehabilitation is essential. By integrating financial literacy, cognitive-behavioral interventions, and controlled exposure to commercial environments, practitioners can help individuals build resilience, enhance emotional regulation, and make more mindful consumer choices.

Ultimately, this research highlights the importance of adopting a holistic, real-world approach to psychiatric care one that considers not only the clinical aspects of recovery but also the everyday environments that clients must navigate. A shift toward such comprehensive, environment-sensitive therapeutic models can significantly enhance the effectiveness of rehabilitation programs, promoting both psychological well-being and long-term community participation.

Acknowledgement

We would like to express our deepest gratitude to all the mental health professionals, institutions, and participants who supported and contributed to this research. Their cooperation and insights were invaluable in exploring the intersection of visual merchandising and impulse buying behaviors among young adults with psychiatric disabilities.

We are especially thankful to our academic mentors and colleagues from the Department of Footwear Design and Production for their constant encouragement and guidance throughout this study.

Due to ethical considerations and to protect the privacy and well-being of the participants involved, we have not disclosed specific sample identifiers or personal demographic details. The study was conducted in strict accordance with ethical research guidelines concerning vulnerable populations.

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