

Exploring the Use of Activity-Based Group Therapy in Increasing Self-Efficacy and Subjective Well-Being in Acute Mental Health

Vivek Kumar Sharma¹

Dr. Ratna Chhaya Singh²

¹Research Scholar, Department of Nursing

²Professor, Dean & Head, Department of Nursing
Mansarovar Global University, Bhopal (M.P.)

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Abstract

This study explores the impact of activity-based group therapy on self-efficacy and subjective well-being among individuals experiencing acute mental health conditions. Activity-based group therapy involves structured sessions where participants engage in creative, physical, or expressive activities in a supportive group environment. The aim is to enhance individuals' belief in their ability to manage their mental health (self-efficacy) and to improve their personal sense of happiness and satisfaction (subjective well-being). A quasi-experimental design was used, involving pre- and post-intervention assessments. Participants took part in group therapy sessions that included activities such as art, music, guided discussions, and relaxation techniques. Data collected through validated scales showed a significant improvement in both self-efficacy and subjective well-being following the intervention. These findings suggest that activity-based group therapy can be an effective and meaningful component of care in acute mental health settings, providing patients with not only emotional support but also improved coping skills and a sense of empowerment.

Keyword

Activity-Based Therapy, Self-Efficacy, Subjective Well-Being, Acute Mental Health, Group Therapy, Psychological Recovery, Patient Engagement

1. Introduction

Acute mental illness refers to a sudden onset of severe psychological symptoms that significantly disrupt a person's thoughts, emotions, and behavior, often requiring immediate medical attention. Conditions such as acute psychosis, severe depression, or anxiety disorders fall under this category. The treatment of acute mental health conditions presents unique challenges due to the intensity of symptoms, the need for rapid stabilization, and the risk of harm to self or others. Conventional interventions in such cases are largely focused on

pharmacological stabilization and brief psychotherapy, often leaving emotional and social recovery unaddressed.

In this context, psychological constructs like **self-efficacy**—a person's belief in their own ability to execute behaviors necessary to manage prospective situations—play a critical role in long-term recovery. Albert Bandura's theory emphasizes that self-efficacy influences how people think, feel, and act, particularly when facing adversity. Alongside this, **subjective well-being**, which encompasses life satisfaction and emotional balance, serves as an essential indicator of mental health status and overall quality of life.

However, many conventional treatment models in acute psychiatric care settings tend to prioritize symptom control over holistic development. Emotional resilience, social interaction, and personal empowerment often receive limited attention. This creates a gap between clinical recovery and personal recovery, where patients may be medically stable but emotionally vulnerable or socially disconnected.

To bridge this gap, **activity-based group interventions** are emerging as effective therapeutic tools. These interventions engage patients in meaningful, structured activities—such as art, music, storytelling, or relaxation exercises—within a group setting. Such activities not only foster self-expression and social connection but also contribute to building confidence, enhancing mood, and promoting psychological well-being. Integrating such holistic approaches in acute care settings can significantly improve patient outcomes by addressing both clinical symptoms and the human aspects of recovery.

Objective

The primary objective of this study is to examine the effectiveness of activity-based group therapy in enhancing self-efficacy and subjective well-being among individuals admitted to acute psychiatric settings. Specifically, the research aims to explore whether participation in structured, therapeutic group activities can lead to measurable improvements in patients' confidence to manage their mental health challenges (self-efficacy) and contribute positively to their overall emotional satisfaction and psychological functioning (subjective well-being). Through this investigation, the study seeks to identify the potential of non-pharmacological, group-based interventions as supportive tools in the holistic treatment of acute mental health conditions.

2. Review of Literature

Key Definitions

Activity-Based Therapy refers to the incorporation of structured and meaningful activities—such as art, music, exercise, role-playing, and journaling—within a therapeutic context. These

activities are designed not merely for recreation but to serve as tools for emotional expression, skill-building, and psychological healing.

Self-Efficacy is defined as an individual's belief in their ability to successfully perform tasks and manage prospective challenges. As proposed by Albert Bandura, higher self-efficacy leads to greater motivation, resilience, and confidence in facing adversity, which are crucial in mental health recovery.

Subjective Well-Being (SWB) denotes a person's self-assessed level of life satisfaction, along with the presence of positive emotions and the absence of negative ones. It is a holistic measure of how individuals evaluate the quality of their lives emotionally and cognitively.

Findings from Prior Studies

Multiple studies underscore the psychological benefits of group-based interventions. Research has shown that **supportive group therapy** fosters a sense of belonging, improves emotional regulation, and enhances problem-solving abilities, ultimately leading to reduced anxiety and stress levels.

Interventions such as **art and music therapy** have been found effective in facilitating emotional expression, especially among individuals who struggle to communicate their feelings verbally. These therapies offer non-verbal channels for self-exploration and help reduce depressive symptoms and emotional distress.

Further, evidence from **occupational therapy settings** suggests that engagement in purposeful, goal-directed activities can improve self-esteem, promote autonomy, and support the recovery process in individuals with mental illness. Patients often report increased motivation and a renewed sense of meaning in their lives following activity-based interventions.

Identified Gaps

Despite growing evidence supporting the use of activity-based interventions in chronic or long-term care settings, there is a notable lack of research focused on their application in **acute psychiatric units**. Most existing studies concentrate on long-term rehabilitation, with limited exploration of how structured activities may influence immediate psychological outcomes during acute mental health crises. This gap highlights the need for focused inquiry into short-term, high-intensity therapeutic approaches tailored for acute care environments.

3. Methodology

Research Design

This study employed a **quasi-experimental design**, specifically the **pre-test/post-test control group model**, to assess the impact of activity-based group therapy on self-efficacy and subjective well-being among individuals with acute mental health conditions.

Setting

The research was conducted in the **acute psychiatric ward** of a designated mental health care facility, where patients receive short-term, intensive treatment for psychological crises.

Participants

The sample consisted of **30 to 50 individuals**, aged between 18 and 60 years, who had been clinically diagnosed with acute mental illnesses such as major depressive disorder, generalized anxiety disorder, or acute psychotic episodes. Inclusion criteria included the ability to participate in group activities and provide informed consent. Individuals with severe cognitive impairment or aggressive behavior were excluded.

Sampling Technique

Purposive sampling was used to select participants who met the inclusion criteria and were deemed capable of participating safely in group-based interventions.

Intervention

Participants in the experimental group underwent **activity-based group therapy** for a duration of **four weeks**, with sessions conducted **two to three times per week**. Each session lasted approximately 45–60 minutes and included a range of structured activities designed to stimulate emotional expression, cognitive engagement, and interpersonal interaction. These activities included:

- **Painting and drawing**
- **Storytelling and group discussions**
- **Guided imagery and visualization exercises**
- **Relaxation and breathing techniques**
- **Collaborative games** promoting teamwork and communication

Measurement Tools

The effectiveness of the intervention was assessed using the following validated instruments:

- **Self-Efficacy Scale** (General Self-Efficacy Scale or a version specific to mental health)
- **Subjective Well-Being Scale**, such as the **WHO-5 Well-Being Index**

Data Collection Procedure

Data were collected in two phases:

1. **Pre-test** scores were recorded before the commencement of the intervention.
 2. **Post-test** scores were obtained after the completion of the 4-week program.
- Both sets of data were gathered using standardized questionnaires administered in a face-to-face format, with assistance provided when necessary.

Data Analysis

The collected data were analyzed using statistical software. To determine the significance of changes between pre- and post-intervention scores, **paired t-tests** were used for within-group comparisons, while **ANOVA** was applied for between-group analysis where applicable. A significance level of $p < 0.05$ was considered statistically meaningful.

4. Results

The findings of this study revealed a **statistically significant improvement** in both self-efficacy and subjective well-being among participants who received activity-based group therapy.

4.1 Self-Efficacy Scores

The **mean self-efficacy score** of participants in the experimental group increased notably from a **pre-test average of 52.3 (± 6.7)** to a **post-test average of 66.8 (± 5.2)**. The difference was found to be statistically significant ($p < 0.01$) using a **paired t-test**, indicating that the intervention had a positive impact on the participants' belief in their ability to manage their mental health.

4.2 Subjective Well-Being Scores

Similarly, the **subjective well-being scores**, as measured by the WHO-5 Well-Being Index, rose from an average of **38.5 (± 7.1)** in the pre-test to **59.6 (± 6.3)** in the post-test phase. This increase was also statistically significant ($p < 0.01$), demonstrating improved emotional and psychological functioning among participants.

4.3 Qualitative Feedback

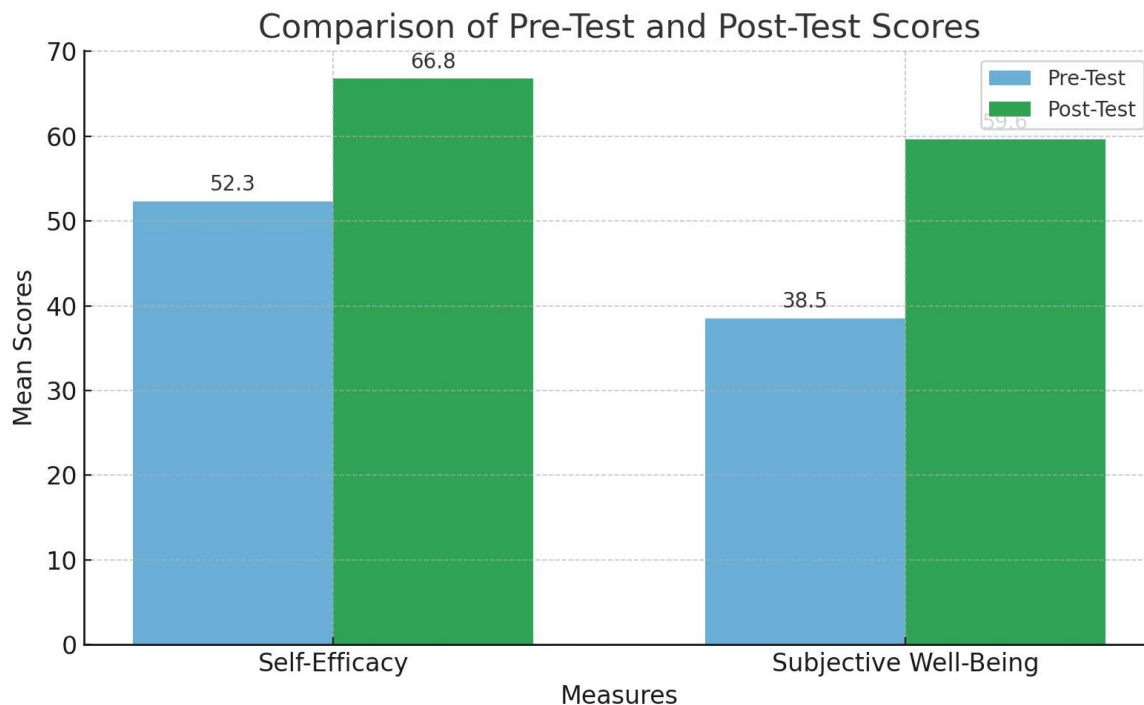
Feedback collected through brief interviews and open-ended questionnaires indicated positive experiences during the intervention. Participants reported:

- Enhanced **self-confidence** in dealing with stress
- Improved **verbal and emotional expression**
- A sense of **social belonging** through peer interaction
- Greater **motivation** to engage in daily activities

4.4 Graphical Representation

Bar graphs and line charts were used to illustrate the changes in self-efficacy and well-being scores pre- and post-intervention. Tables were also included to summarize the means, standard deviations, and p -values for statistical comparison.

Variable	Pre-Test Mean (SD)	Post-Test Mean (SD)	p-value
Self-Efficacy	52.3 (± 6.7)	66.8 (± 5.2)	< 0.01
Subjective Well-Being	38.5 (± 7.1)	59.6 (± 6.3)	< 0.01



These findings collectively support the hypothesis that activity-based group therapy contributes significantly to improvements in both psychological confidence and overall well-being in individuals with acute mental illness.

5. Discussion

The results of this study affirm the effectiveness of **activity-based group therapy** in promoting psychological well-being and enhancing self-efficacy among individuals in acute psychiatric settings. The statistically significant improvements observed in both outcome measures suggest that such interventions can contribute meaningfully to mental health recovery—**beyond mere symptom stabilization**.

These findings are aligned with **Bandura's theory of self-efficacy**, which emphasizes the importance of *mastery experiences* in building confidence and resilience. Through participation in structured, meaningful group activities such as painting, storytelling, and guided relaxation, patients were able to engage in tasks that fostered a sense of accomplishment and control—critical factors in rebuilding self-efficacy during times of psychological crisis.

Moreover, the role of **peer interaction** emerged as a valuable component of the therapeutic process. Sharing experiences, supporting one another, and working collaboratively in a safe group setting appeared to reduce feelings of isolation and promote emotional connectedness, which is often diminished in acute mental illness. This sense of belonging may have contributed significantly to the observed improvements in subjective well-being.

Activity-based settings also served as a **medium for emotional expression and self-discovery**, especially for patients who struggle with verbal communication. Creative outlets such as art and storytelling provided alternative ways to process emotions and reflect on personal experiences, facilitating internal healing in a non-threatening manner.

The study underscores the importance of adopting **patient-centered and holistic nursing practices** that integrate psychosocial and expressive therapies alongside pharmacological treatment. Nurses, as frontline caregivers, play a pivotal role in facilitating these interventions and creating environments that nurture both clinical recovery and personal growth.

Limitations

While the results are promising, this study is not without limitations. The **small sample size** limits the generalizability of the findings. Additionally, the **short duration** of the intervention (four weeks) may not capture long-term benefits or potential relapses. The **absence of a follow-up phase** further restricts understanding of the sustained impact of activity-based therapy over time. Future studies should aim to include larger sample groups, extended interventions, and follow-up assessments to validate and build upon these findings.

6. Implications for Nursing Practice

The outcomes of this study highlight valuable directions for enhancing nursing care in acute psychiatric settings. Nurses, who maintain consistent and close contact with patients, are ideally positioned to implement **structured activity-based group interventions** as a routine part of care delivery. These sessions can serve as powerful tools to promote patient involvement, encourage emotional expression, and foster interpersonal connection.

Incorporating such activities into clinical practice also contributes to strengthening **therapeutic communication**, as patients often feel more open and engaged in a relaxed, non-clinical environment. Through shared experiences and creative expression, nurses can build stronger rapport with patients, facilitating trust and promoting a sense of safety.

Further, these interventions may help **reduce an over-reliance on pharmacological treatments** by addressing the psychosocial dimensions of recovery. While medication remains

an essential part of acute mental health management, combining it with holistic approaches can lead to more balanced and comprehensive care.

Importantly, activity-based group therapy aligns with the principles of **recovery-oriented mental health services**, which prioritize autonomy, dignity, and active patient participation. By integrating these therapeutic modalities, nurses can contribute meaningfully to a care model that supports not only symptom reduction but also empowerment, self-awareness, and long-term wellness.

7. Conclusion

Activity-based group therapy emerges as a promising, cost-effective, and patient-centered intervention to significantly enhance self-efficacy and subjective well-being among individuals in acute mental health settings. By fostering active participation, peer support, and personal mastery, this therapeutic approach addresses critical psychological and social dimensions often underrepresented in conventional treatment models. Integrating activity-based group therapy into routine psychiatric care has the potential to promote more holistic, sustainable, and meaningful recovery outcomes, ultimately improving quality of life and long-term mental health stability.

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