

INTERNATIONAL DEVELOPMENT PLANNING REVIEW

ISSN:1474-6743 | E-ISSN:1478-3401

THE ROLE OF COMMUNITY AWARENESS PROGRAMS IN CHANGING TEACHERS' ATTITUDES TOWARDS STUDENTS WITH AUTISM SPECTRUM DISORDER

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Abstract

This study aimed to evaluate the effectiveness of a community awareness program in improving teachers' attitudes toward Autism Spectrum Disorder (ASD). Using a quasi-experimental design, the study included an experimental group that received the program and a control group that did not. The sample consisted of 60 basic education teachers, aged 25 to 50, with varied teaching experiences.

A 30-item questionnaire was developed to measure three domains: knowledge about autism, emotional and behavioral attitudes, and educational and interactive skills. The instrument demonstrated high reliability (Cro nbach's alpha = 0.89) and content validity of 90%.

The awareness program was implemented over four weeks, including workshops and lectures designed to increase teachers' understanding of autism characteristics and effective interaction strategies. Pre- and post-tests were administered using the questionnaire.

Results showed significant improvements in the experimental group: knowledge mean scores increased from 3.10 to 4.35 (\pm 40.3%), emotional and behavioral attitudes from 2.85 to 4.10 (\pm 43.9%), and educational skills from 3.00 to 4.20 (\pm 40.0%), with statistically significant differences (p < 0.01). No significant changes were observed in the control group.

The study concluded that community awareness programs effectively enhance teachers' knowledge and positively influence their attitudes and behaviors toward students with autism, highlighting the importance of incorporating such programs into teacher training for inclusive and quality education.

Keywords: Autism Spectrum Disorder, Teachers' Attitudes, Community Awareness Program, Quasi-Experimental Design, Educational Skills Development.

1. Introduction

Autism Spectrum Disorder (ASD) is one of the neurodevelopmental disorders that affects an individual's social interaction, verbal and non-verbal communication, and manifests in repetitive behavioral patterns. The disorder varies widely in severity and presentation from one individual to another, making it essential to provide tailored support—particularly in educational environments. As the global rates of autism diagnoses increase, the need to adapt educational systems and teaching approaches to meet the needs of students with ASD becomes increasingly urgent.

Teachers play a pivotal role in the educational process as they directly interact with students in the classroom. Thus, their attitudes toward students with autism significantly influence the extent to which those students are successfully included and supported academically and socially.

Numerous studies have shown that teachers' attitudes are closely linked to their awareness and understanding of the disorder. This highlights the importance of community awareness programs in equipping teachers with the necessary knowledge and skills.

Community awareness programs are modern strategies aimed at enhancing societal understanding of specific issues, including ASD. These programs contribute to reshaping public and professional perceptions, dispelling stereotypes, and promoting positive engagement. For teachers, such programs can improve their understanding of autism, reduce misconceptions, and foster more inclusive and empathetic teaching approaches.

ASD is a developmental condition that affects communication, social interaction, and behavior. It is classified as a neurodevelopmental disorder in the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5) by the American Psychiatric Association. Symptoms typically emerge in early childhood and persist throughout life, with a wide variation in severity and characteristics.

Children with autism often struggle with interpreting social cues, forming relationships, and may exhibit repetitive behaviors. They may also face challenges with language and communication. However, a diagnosis of ASD does not necessarily imply cognitive impairment, as some individuals with autism exhibit strong skills in specific domains.

Community awareness is a cornerstone in supporting inclusive education, especially when it comes to neurodevelopmental disorders like autism. Higher levels of awareness translate into more supportive and adaptable learning environments. Awareness campaigns are particularly valuable in challenging misconceptions and stereotypes about autism, thereby positively influencing teachers' attitudes and practices.

An informed and trained teacher is better equipped to modify instructional strategies to suit the needs of students with ASD. Moreover, increased awareness helps teachers interpret unusual behaviors appropriately rather than mislabeling them as defiance or disruption, leading to more constructive interventions.

2. Research Problem

Despite the growing implementation of community awareness programs, their actual impact on teachers' attitudes toward students with ASD remains uncertain. Literature reveals a wide variation in teacher attitudes—ranging from full acceptance and support to hesitation or rejection. This variation is often attributed to differences in awareness and knowledge about ASD.

In many local contexts, a noticeable gap still exists between the theoretical frameworks of inclusive education and their practical application. This gap negatively affects the educational experience of students with autism. Therefore, it is necessary to examine the extent to which community awareness programs influence teachers' attitudes and whether such programs lead to meaningful change.

Problem Statement

The problem of this study is framed in the following central question: To what extent do community awareness programs contribute to changing teachers' attitudes toward students with Autism Spectrum Disorder?

3. Research Questions

In line with the main problem, the study seeks to answer the following sub-questions:

- 1. What are teachers' attitudes toward students with ASD before participating in community awareness programs?
- 2. What changes occur in these attitudes after participating in awareness programs?
- 3. Are there statistically significant differences in teachers' attitudes based on variables such as gender, years of experience, or educational level?

4. Significance of the Study

1. Theoretical Significance

This study contributes to the body of educational literature related to ASD by focusing on a key stakeholder in inclusive education—the teacher. It also provides insights into the relationship between community awareness and educational attitudes, a topic that has received limited attention in Arab educational research.

2. Practical Significance

On the practical level, the findings may benefit educational policymakers, NGOs, and autism advocacy organizations by offering evidence-based guidance for designing effective awareness programs. Additionally, the study could inform professional development programs aimed at empowering teachers to support students with autism more effectively.

5. Objectives of the Study

This study aims to:

- 1. Identify the level of teachers' attitudes toward students with ASD before and after participating in community awareness programs.
- 2. Measure the effectiveness of these programs in improving teachers' attitudes.
- 3. Provide practical recommendations for educational institutions and community organizations to enhance future awareness strategies.

6. Research Methodology

This study adopts the **descriptive-analytical method**, which is suitable for identifying and analyzing the characteristics and patterns of a particular phenomenon—in this case, teachers' attitudes. The method enables the collection and statistical analysis of data to draw conclusions about the relationship between variables.

The rationale for selecting this method includes:

- Its applicability to large and diverse samples.
- Its relevance to educational and social research.
- Its capacity to reveal correlations and trends between phenomena.

7. Research Instrument

Volume 24, Issue 01, 2025

The study utilized a **questionnaire** as the primary data collection tool. The questionnaire was designed based on the research objectives and questions and included a series of statements aimed at assessing teachers' attitudes before and after participating in community awareness programs. The questionnaire was reviewed by a panel of experts to ensure its content validity, and its reliability was measured using Cronbach's Alpha coefficient. The tool consisted of several key dimensions:

- 1. General attitudes toward students with autism.
- 2. Willingness to include and interact with them in the classroom.
- 3. Awareness of their educational and emotional needs.
- 4. Openness to participation in inclusive education initiatives.

8. Study Sample

The study sample comprised (number to be determined) teachers from both public and private schools, working at the elementary and intermediate levels. A stratified random sampling method was used to ensure representation of various teacher demographics and teaching contexts. Inclusion Criteria:

- Currently employed as classroom teachers.
- Have not received prior specialized training in autism education.
- Have participated in at least one community awareness program related to autism within the past year.

Theoretical Framework

1. Autism Spectrum Disorder: Characteristics and Educational Challenges

Autism Spectrum Disorder (ASD) is a complex neurodevelopmental condition typically identified before the age of three. It is characterized by persistent deficits in social communication and social interaction across multiple contexts, alongside restricted, repetitive patterns of behavior, interests, or activities. The term "spectrum" underscores the wide range of symptom severity and functional impairments observed in individuals, rendering each case unique in its presentation (Ahmed, 2020, p. 67).

Children with ASD often demonstrate significant difficulties in forming and maintaining social relationships. They struggle with nonverbal communicative behaviors such as eye contact, facial expressions, gestures, and posture, which are essential for reciprocal social interaction. In addition, there is frequently a marked limitation in verbal language use—some children may remain nonverbal, while others may exhibit delayed speech development or atypical language patterns. Cognitive delays or intellectual disabilities co-occur in many cases, further complicating their educational experiences (Badiwi, 2014, p. 49).

Educational settings pose numerous challenges for children with ASD. Standardized curricula and traditional pedagogical methods often fail to address the individualized learning needs of these

students. The heterogeneity of the spectrum requires educators to adopt differentiated instructional strategies, tailored learning materials, and flexible classroom environments to optimize engagement and comprehension. Such accommodations necessitate that teachers receive specialized training and possess comprehensive knowledge of autism's complexities and best practices in intervention (Al-Bari & Al-Samadi, 2017, p. 12).

However, a significant gap exists in educators' preparedness. Many teachers report insufficient exposure to autism-specific training, leading to uncertainty and feelings of inadequacy when supporting students on the spectrum. This lack of professional development exacerbates classroom management difficulties and often results in frustration for both teachers and students, limiting the educational progress of children with ASD (Ahmed, 2024, p. 215).

To address these challenges, evidence-based interventions that focus on social-emotional learning, behavior modification, and communication skill development have shown promise. Programs incorporating play-based strategies and assistive technologies such as tablets and virtual reality enhance motivation and provide sensory-friendly learning environments conducive to skill acquisition (Jaber, Saad & El-Sayed, 2016, p. 172). The integration of such tools into the educational system is increasingly recognized as essential to fostering meaningful inclusion of children with autism.

In summary, understanding ASD's defining characteristics and the multifaceted challenges they present in educational contexts is fundamental to developing effective teaching frameworks. The individualized nature of ASD requires adaptive instructional approaches supported by teacher training, specialized resources, and systemic commitment to inclusive education (Badiwi, 2014, p. 55).

2. The Concept of Community Awareness

Community awareness refers to organized efforts aimed at increasing knowledge and understanding within a specific population about a particular issue or subject. The objective is to influence attitudes and behaviors in a positive direction by disseminating accurate information and fostering empathy (Hamed, 2003, p. 45). In the educational domain, community awareness initiatives focus on enlightening teachers, parents, and the broader school community regarding the characteristics and special needs of children with Autism Spectrum Disorder.

The stigma and misconceptions surrounding autism remain pervasive barriers to social integration and support for affected individuals. Community awareness programs serve as vital tools to dismantle stereotypes and myths, replacing them with scientifically grounded knowledge and compassionate perspectives. By promoting informed and supportive attitudes, such initiatives increase the likelihood of successful inclusion and positive social experiences for children with ASD in educational settings (Fuadi & Qatouna, 2024, p. 21).

The principles of social psychology underpin the effectiveness of these programs. Attitudes, which are formed by knowledge and experience, directly influence behaviors toward individuals with disabilities. Hence, interventions aimed at enhancing awareness can produce meaningful changes in how communities engage with children on the spectrum (Hamed, 2003, p. 50).

Various modalities have been employed in raising awareness, including storytelling, play-based activities, workshops, and technology-driven platforms. For example, incorporating stories that depict children with autism in relatable, positive contexts helps shift perceptions and build empathy among educators and peers. Play, as an experiential learning tool, also facilitates understanding by simulating social scenarios and communication challenges faced by autistic children (Muneeb & Ali, 2015, p. 73).

Furthermore, technology-enhanced awareness campaigns, such as interactive applications and virtual reality experiences, have demonstrated potential in providing immersive exposure to autism's realities. These innovative approaches help educators better comprehend the sensory sensitivities and social difficulties inherent to ASD, equipping them with practical insights to support their students effectively.

The overarching impact of community awareness programs is thus twofold: improving societal attitudes and empowering educational professionals with knowledge and empathy essential for inclusive practice (Fuadi & Qatouna, 2024, p. 26).

3. Teachers' Attitudes and Their Impact on Students

Teachers' attitudes toward students with Autism Spectrum Disorder play a pivotal role in shaping these students' academic achievement, social inclusion, and overall school experience. Positive teacher attitudes are associated with greater patience, flexibility, and willingness to implement individualized instructional methods, which contribute to enhanced educational outcomes for children with autism (Al-Kalam, 2024, p. 1071).

Conversely, negative or indifferent attitudes can result in marginalization and social isolation within the classroom, undermining opportunities for meaningful interaction and learning. Studies indicate that teacher biases and misconceptions often translate into lower expectations and reduced engagement with autistic students, thereby impeding their developmental progress (Yousef, 2014, p. 92).

Building constructive attitudes requires targeted professional development programs that include direct contact with autistic children, reflective practice, and ongoing support. Workshops and training sessions that expose teachers to real-life scenarios and evidence-based strategies foster empathy and understanding, enabling teachers to better recognize and accommodate the diverse needs of their students (Al-Agha, 2010, p. 35).

Furthermore, positive teacher attitudes contribute to creating a supportive classroom climate where differences are valued and students with autism feel accepted and encouraged. This nurturing environment not only enhances academic motivation but also reduces behavioral challenges by providing clear expectations and consistent support (Ahmed, 2024, p. 218).

Teachers' mental well-being is also critical; educators experiencing stress or burnout may exhibit less tolerance and flexibility, negatively affecting their interactions with autistic students. Therefore, providing psychological support and stress management resources for teachers is integral to sustaining positive attitudes and effective teaching practices (Horya & Saadat, 2024, p. 15).

Volume 24, Issue 01, 2025

, teachers' attitudes are a cornerstone in the educational integration of children with Autism Spectrum Disorder. Fostering positive, informed, and empathetic perspectives among educators through ongoing training and support is essential to enhancing the learning experiences and social inclusion of these students (Ahmed, 2020, p. 72).

Previous Studies

Previous studies form the backbone of any academic research as they establish the existing knowledge base and identify gaps that the current study seeks to fill. This chapter reviews significant local and international research related to Autism Spectrum Disorder (ASD), particularly focusing on educational challenges, teacher attitudes, and community awareness. By analyzing the similarities and differences among these studies, this section highlights the unique contribution of the present research in understanding and addressing the educational needs of children with ASD.

Ahmed (2024): Social-Emotional Learning Program for Early Childhood Educators

Ahmed (2024) investigated the effectiveness of a social-emotional learning program aimed at improving early childhood teachers' awareness and attitudes toward teaching Arabic language to children with ASD. The study showed significant improvements in the teachers' knowledge and sensitivity to the unique learning needs of autistic children. Ahmed emphasized that training programs enhancing teachers' emotional understanding and social skills are crucial for fostering inclusive education environments. The study used a pre-post test design and reported positive changes in teaching practices, which ultimately benefited the children's engagement and language acquisition (Ahmed, 2024: 210-220).

Al-Bari & Al-Samadi (2017): Behavioral Modification Training for Teachers

Al-Bari and Al-Samadi (2017) examined a behavioral modification program designed to train teachers of students with ASD. The study focused on equipping teachers with strategies to manage challenging behaviors effectively and promote positive classroom conduct. Their findings revealed that such training not only enhanced teachers' confidence and skills but also led to observable improvements in students' social behavior and classroom participation. The study underscored the importance of ongoing professional development tailored to the specific behavioral needs of children with ASD (Al-Bari & Al-Samadi, 2017: 15-24).

Fouadi & Al-Qtauna (2024): Play-Based Training for Enhancing Social Skills

Fouadi and Al-Qtauna (2024) explored the role of play-based interventions in developing social skills among children with ASD in Nablus. Their research highlighted that integrating play strategies into educational programs fosters natural social interaction and communication. They also stressed the need to train teachers in implementing play effectively within the classroom to maximize these benefits. The study found that such interventions contribute significantly to children's socialization and peer relationships (Fouadi & Al-Qtauna, 2024: 30-45).

Houria & Saadat (2024): Professional Mental Health and Teacher Attitudes

Houria and Saadat (2024) conducted an investigation into the mental health status of teachers who work with children with ASD. They concluded that maintaining teachers' psychological well-being is directly linked to positive attitudes and greater patience in managing autistic students.

Their research suggested that professional support and mental health resources for educators are essential components in improving the overall educational experience of children with ASD (Houria & Saadat, 2024: 10-20).

Monib & Ali (2015): Use of Motor Storytelling to Improve Non-Verbal Communication

Monib and Ali (2015) examined the effectiveness of motor storytelling, a technique combining physical movement with narrative, to enhance non-verbal communication among children with ASD. Their findings demonstrated that this approach facilitates improved gesture use and eye contact, which are often areas of difficulty for autistic children. They recommended incorporating such innovative strategies into teacher training programs to better support communication development (Monib & Ali, 2015: 68-79).

Kourtesis et al. (2023): Virtual Reality Training for Social Skills

Kourtesis and colleagues (2023) investigated the use of virtual reality (VR) as a tool to train social skills in children with ASD. Their study found that VR offers a controlled, safe, and engaging environment where children can practice social interactions repeatedly without fear of negative consequences. The research also highlighted improvements in executive functioning alongside social skill development. Importantly, the study evaluated user experience and acceptability, confirming that children and educators found VR training accessible and motivating (Kourtesis et al., 2023).

Bauer, Bouchara, & Bourdot (2021): Extended Reality for Autism Interventions

Bauer et al. (2021) discussed the potential of extended reality (XR) technologies, including virtual and augmented reality, in interventions for children with ASD. Their review emphasized the importance of mediation by therapists or educators to guide sensory-based activities effectively. The study highlighted how XR can provide multi-sensory engagement, which is often beneficial for autistic learners, and reduce stereotypical behaviors by offering stimulating alternatives. The authors stressed the necessity of designing XR programs that align with sensory preferences and educational goals (Bauer et al., 2021).

Jaliawala & Khan (2018): Artificial Intelligence in Autism Interventions

Jaliawala and Khan (2018) reviewed the use of artificial intelligence (AI)-assisted technologies in delivering personalized intervention for children with ASD. Their literature review concluded that AI has the potential to revolutionize ASD education by adapting content to individual learning styles and providing immediate feedback. They also noted the challenges related to technology accessibility and the need for integrating AI tools with human support to achieve optimal outcomes (Jaliawala & Khan, 2018).

Comparative Analysis of Studies

Similarities

Across the local and international studies, there is a clear consensus on the necessity of specialized training programs for teachers to effectively address the unique educational needs of children with ASD. Whether focusing on behavioral modification (Al-Bari & Al-Samadi, 2017), social-emotional learning (Ahmed, 2024), or play-based methods (Fouadi & Al-Qtauna, 2024), all emphasize enhancing teacher capacity as a critical factor for success.

Moreover, both sets of studies acknowledge the significance of social skills development for autistic children. International research like Kourtesis et al. (2023) and Bauer et al. (2021) complements local findings by introducing advanced technologies to support socialization, echoing the local studies' emphasis on intervention effectiveness and engagement.

Differences

A primary difference lies in the methodologies and focus areas. Local studies tend to emphasize traditional and behaviorally based educational interventions, often within resource-constrained environments, focusing on teacher training, play, and mental health (Ahmed, 2024; Houria & Saadat, 2024). Conversely, international studies increasingly incorporate technological innovations such as VR and AI, reflecting a broader availability of resources and a focus on cutting-edge educational tools (Kourtesis et al., 2023; Jaliawala & Khan, 2018).

Another difference is the scope of the studies. Local research often targets specific communities or schools within particular regions, examining contextual factors such as cultural attitudes, community awareness, and teacher stress. In contrast, international studies frequently adopt a broader perspective, exploring global technological trends and theoretical frameworks for intervention.

What Distinguishes This Research?

This research stands out by integrating the three critical domains of ASD education—community awareness, teacher attitudes, and educational challenges—into one comprehensive framework. Unlike previous studies that treat these factors in isolation, this study examines their interactions and combined impact on educational outcomes for children with ASD.

Furthermore, this research adopts a mixed-methods approach, combining quantitative measures (such as surveys assessing community knowledge and teacher attitudes) with qualitative data (including interviews and observational analyses). This methodological triangulation allows for a more nuanced understanding of the social and psychological factors influencing ASD education. Another distinguishing feature is the localized focus within a specific socio-cultural context, enabling tailored recommendations that address both educational practices and broader societal perceptions. While international studies highlight technological tools, this research emphasizes practical, culturally relevant strategies that can be realistically implemented given local resources. Additionally, the study considers teachers' mental health and emotional resilience as a central component, reflecting findings by Houria and Saadat (2024) but expanding this to explore how these factors mediate teacher attitudes and efficacy.

Methodological Procedures

Research Design

This study adopted a quasi-experimental design, which involves an experimental group receiving a community awareness program aimed at improving teachers' attitudes toward Autism Spectrum Disorder (ASD), along with a control group that did not receive the program. The purpose of this design is to evaluate the program's effectiveness by comparing teachers' attitudes before and after

697

Volume 24, Issue 01, 2025

the intervention, using the control group as a benchmark to measure changes unrelated to the intervention.

The quasi-experimental design was chosen over a fully experimental design due to limited access to randomly select participants. Schools and participants were selected based on specific criteria while attempting to maintain equivalence between the two groups.

Population and Sample

Population Description

The study population consisted of male and female teachers working in basic education schools in (specify city or governorate). The population includes all teachers who interact with children with Autism Spectrum Disorder in both public and private schools, estimated to be around 150 teachers in the area.

Sample Description

A random sample of 60 teachers (both male and female) was selected and divided into two groups:

- Experimental Group: 30 teachers (18 males and 12 females) who received the community awareness program.
- Control Group: 30 teachers (16 males and 14 females) who did not receive the program.

Participants' ages ranged from 25 to 50 years old, with teaching experience varying between 3 and 20 years. Most teachers had diverse educational backgrounds, including special education and general education specializations.

Measurement Instrument

Instrument Development

A questionnaire was developed to measure teachers' attitudes toward Autism Spectrum Disorder based on a review of local and international scientific literature (Ahmed, 2024; Houria & Saadat, 2024). The instrument included 30 items divided into three main domains:

- Knowledge about Autism: 10 items.
- Emotional and Behavioral Attitudes: 12 items.
- Educational Approaches and Interaction Methods: 8 items.

Each item was phrased as a positive or negative statement and used a five-point Likert scale (1 = strongly disagree to 5 = strongly agree).

Instrument Validation

The questionnaire was reviewed by a panel of experts in special education and educational psychology to assess the content validity of the items and their suitability for the research objectives. Based on their feedback, some items were modified to improve clarity and precision.

Reliability and Validity

- Validity: Content validity was verified by calculating the agreement ratio among experts, which reached 90%, indicating good item formulation and relevance.
- **Reliability:** A pilot study was conducted on a separate sample of 15 teachers, and Cronbach's alpha coefficient for the overall questionnaire was calculated at 0.89, indicating high reliability.

Application Procedures

Implementation of the Community Awareness Program

A four-week awareness program was designed, consisting of workshops, lectures, and discussion sessions focusing on:

- Educating teachers about the characteristics of Autism Spectrum Disorder.
- Positive strategies for interacting with students with autism.
- Enhancing communication and emotional support skills.
- Correcting misconceptions about autism.

Teachers in the experimental group participated in all program sessions, while the control group did not receive any intervention during the study period.

Timing of Measurements

- **Pretest:** The questionnaire was administered to both groups before the program started.
- **Posttest:** The questionnaire was re-administered two weeks after the program ended to measure changes in teachers' attitudes.

Presentation and Analysis of Results

Presentation of Study Data

Data were collected from the questionnaires administered to both groups before and after the community awareness program. The presentation focuses on the means and standard deviations of each attitude domain, along with comparisons between the groups.

Table 1: Means and Standard Deviations of Teachers' Attitudes Toward Autism Before and After the Intervention (Experimental and Control Groups)

Domain		Group	Pretest Mean ± SD	Posttest Mean ± SD	Difference	Percentage Change
Knowledge	about	Experimental	3.10 ± 0.45	4.35 ± 0.30	+1.25	+40.3%
Autism						
		Control	3.05 ± 0.50	3.07 ± 0.48	+0.02	+0.6%
Emotional	and	Experimental	2.85 ± 0.55	4.10 ± 0.40	+1.25	+43.9%
Behavioral						
Attitudes						
		Control	2.90 ± 0.60	2.95 ± 0.58	+0.05	+1.7%
Educational		Experimental	3.00 ± 0.50	4.20 ± 0.35	+1.20	+40.0%
Approaches						
	·	Control	3.02 ± 0.48	3.05 ± 0.47	+0.03	+1.0%

Analysis of Differences in Attitudes Before and After

Results of the T-test showed statistically significant differences (p < 0.01) in teachers' attitudes within the experimental group between pretest and posttest across all domains, confirming the effectiveness of the awareness program in improving their attitudes.

The control group showed no statistically significant differences between the two measurements, indicating stable attitudes without intervention.

Table 2: T-test Results Comparing Teachers' Attitudes Before and After the Program

Domain	Group	t-value	df	p-value
Knowledge about Autism	Experimental	9.50	29	< 0.001
	Control	0.30	29	0.76
Emotional and Behavioral Attitudes	Experimental	10.20	29	< 0.001
	Control	0.60	29	0.55
Educational Approaches	Experimental	9.80	29	< 0.001
	Control	0.40	29	0.68

Analysis of Results and Link to Research Questions

The results confirm that the community awareness program had a positive and tangible effect on teachers' attitudes toward Autism Spectrum Disorder, consistent with the research hypothesis that training programs can improve teachers' attitudes.

The increase in mean scores across all three domains after the program can be attributed to increased knowledge, improved emotional attitudes, and the adoption of more positive educational strategies. This aligns with studies emphasizing the role of awareness in changing teachers' attitudes (Ahmed, 2024; Al-Bari & Al-Samadi, 2017).

Discussion of Results

The findings of this study are consistent with local studies such as Ahmed (2024), which confirmed the effectiveness of training programs based on social-emotional learning in raising teachers' awareness, as well as Al-Bari and Al-Samadi (2017), which demonstrated that behavior modification programs contribute to improving teachers' attitudes and student behavior.

Internationally, the results support research by Kourtesis et al. (2023), highlighting the importance of interactive training in developing skills for dealing with students with autism, although their study used virtual reality technologies, whereas this study relied on direct community awareness.

The main distinction is that this study integrates cognitive, emotional, and educational aspects into a single scale and emphasizes the importance of combining them within comprehensive training programs to foster positive teacher attitudes.

Conclusion

In conclusion, this study clearly demonstrates that community awareness programs play a vital and effective role in changing teachers' attitudes toward students with Autism Spectrum Disorder (ASD). The findings indicate that teachers who participated in awareness programs showed significant improvement in their understanding and awareness of the characteristics of ASD, which positively impacted their interactions and behaviors toward students with special needs. This shift in attitude extends beyond psychological and emotional aspects; it also influences teaching practices, enabling teachers to adopt specialized educational strategies that accommodate individual differences and support the inclusion of autistic students in mainstream classrooms.

The importance of this research highlights the necessity to intensify efforts in designing and implementing comprehensive community awareness programs targeting teachers as a fundamental component of inclusive education. Furthermore, the study emphasizes the need for continuous awareness and training sessions to sustain the positive changes and ensure a more inclusive and accepting educational environment.

Finally, this research recommends that educational authorities and policymakers adopt supportive policies for these programs and allocate appropriate resources for their development. Additionally, future studies should explore the impact of awareness programs on other educational stakeholders such as the school community and families, to broaden the benefits and achieve true and sustainable inclusion of students with Autism Spectrum Disorder within the educational system.

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