

A Critical Research Analysis of Membership in Inclusive Education: Issues and Implications



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Significance and Need:

- The concept of membership has long been identified as a critical and guiding principle for effective inclusive education
- There is increased attention on membership issues in general education but students with disabilities are generally not part of the analyses
- There has been steady interest in membership issues in inclusive environments over the years but the knowledge base is fragmented and unclear
- Given the general consensus that membership and belonging are important indicators of successful outcomes for children, there is a limited research base about how this can be successfully achieved

Purpose:

This funded project, which addressed an unmet need in the field, is a critical research review and analysis examining the current state of membership in inclusive education across multiple perspectives

Framework for Research Review and Analysis

- Initial examination of over 100 research and non-research publications over the past 25 years to gain a full understanding of the knowledge base
- Only research studies were included in the final analysis
- Parameters of analysis:
 - Involved children with a range of disabilities
 - Involved children ages 3-18 years
 - Location of study had to be general education classroom
 - Focus of study was within a group context
 - Qualitative or quantitative research methodology
 - ERIC key word descriptors “membership”, “belonging” or related terms found in title or abstract

Narrowing the Parameters of the Analysis

- The Need to Further Define membership
 - Key word descriptors, which had to be more clearly defined, included peer acceptance, social networks, peer culture, peer groups, peer affiliation
 - Excluded studies on attitudes, social skills, peer interactions, friendships
 - Many studies included multiple variables; only findings related to membership were included in this analysis
 - Included studies in which classroom membership was identified as a significant outcome
- Challenges in Defining Inclusive Environments
 - Some studies did not fully describe setting
 - Some studies did not explain classroom composition or ratio
 - Some studies on membership focused on mainstreaming for small parts of the day which may have an impact on results
 - Criteria were determined to define inclusive environments:
 - students with disabilities must spend the majority of time in general education and,
 - general education class must reflect natural proportions of no more than 20% of the class composition were children with disabilities

Method

- Data collection occurred over a 8 month period
 - Electronic and manual searches were conducted
 - ERIC/EBSCO: leading resource and largest education database (U.S. Department of Education was in the process of developing a new database; ERIC was available during transition period)
 - PsycARTICLES (American Psychological Association: more than 25,000 searchable full-text articles from 42 journals)
 - Manual searches included prominent special education journals as well as leading journals in other fields (e.g., general education, sociology, educational psychology)
 - Ancestral search of the reference lists from key studies
 - Searches were conducted using key words, journal titles and authors
 - Identified, collected and xeroxed over 100 articles pertaining to membership
 - Twenty-five research articles met the criteria and were included in the final analysis

- Data Coding

- An organizational system was developed using color coded folders to categorize
- Articles were arranged by key words (e.g., peer acceptance, peer relationships) and by discipline
- A grid was designed which included key information such as author, date, purpose, research design/data sources, study participants, description of inclusive setting, findings
- Eventually separate grids were developed according to age (early childhood, elementary, middle/high school)

- Data analysis

- Reviewed key findings across the body of work and across variables (e.g., age, disability)
- Identified emerging patterns and themes within and across articles
- To verify the accuracy of the themes and impressions, a second reader was asked to review the data, codes, and impressions

General Findings and Impressions:

- Thirty-five percent (35%) of studies on classroom membership were part of a larger investigation
- Forty percent (40%) of studies on membership were conducted outside the United States (i.e., Australia, Belgium, Canada, England, Israel, Spain)
- Eighty percent (80%) of studies used a quantitative research design and only 1 used a combination of qualitative and quantitative methods
- About half of the studies examined culturally or racially diverse school populations
- Seventy-six percent (76%) of studies were published in special education journals
- Children with learning disabilities across the age span generally reported more feelings of loneliness and lower peer acceptance than peers without disabilities or peers with more significant disabilities
- Teacher practices and interventions as well as shared experiences and interests positively influenced social acceptance and membership across the ages

Findings and Impressions (Across the Ages)

○ Early Childhood (Birth – Grade 2)

- Young children with disabilities had positive experiences and relationships in inclusive environments
- Shared experiences and activities, systematically fostered by professionals, contributed to acceptance of peer with disabilities in early childhood
- Young children with disabilities experienced varying degrees of peer acceptance from low to high acceptance
- Young children experienced both inclusion and exclusion within the classroom culture

○ Elementary School (Grades 1-6)

- Social acceptance of peers with disabilities were positively influenced by systematic teacher interventions and practices
- Most children with disabilities were part of a peer network and experienced positive, close relationships
- Children with learning disabilities were lonelier and experienced lower social acceptance than peers without disabilities
- Children labeled with moderate or significant disabilities did not experience more isolation or rejection or lower social status than classmates without disabilities

○ Elementary School (Grades 1-6) continued

- Children with emotional or behavioral disabilities tended to be influenced by the behavior of other children
- During the elementary years, student behavior seemed to be a factor in peer acceptance as opposed to the early years

○ Middle and High School (Grades 7-12)

- Students with various disabilities (e.g., deaf, significant disabilities, learning disabilities) generally were found to be socially accepted and perceived to be members of a classroom or peer network
- Teaching practices and interventions contributed to positive social climate and sense of membership

Future Directions:

- More research is needed on effective intervention and teaching practices that facilitate membership
- More information is needed about specific contexts and conditions under which membership occurs
- Change the focus of classroom membership from a special education issue to a shared issue with general education and other disciplines (e.g., more visibility of membership issues in general education journals, conferences, etc.)
- Better information for all stakeholders on how to support children with learning disabilities particularly during the early childhood and elementary years
- Stronger linkages are needed between school-wide positive behavior support efforts and peer-to-peer networks
- Create stronger research to practice linkages (e.g., participatory action research, children as researchers, etc).

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- Cambra, C. (2002). Acceptance of deaf students by hearing student in regular classrooms. *American Annals of the Deaf*, 147(1), 38-46.
- Cook, B. G. & Semmel, M. (1999). Peer acceptance of included students with disabilities as a function of severity of disability and classroom composition *Journal of Special Education*, 33(1), 1-19.
- Erwin, E. J., Alimaris, E., & Price, N. (1999). A qualitative study of social dynamics in an inclusive preschool. *Journal of Research in Childhood Education*, 14(1), 56-67.
- Erwin, E. J. & Guintini, M. (2000). Inclusion and classroom membership in early childhood. *International Journal of Disability, Development and Education*, 47(3), 237-257.
- Farmer, T. W. & Farmer, E. M. (1996). Social relationships of students with exceptionalities in mainstream classrooms: Social networks and homophily. *Exceptional Children*, 62(5), 431-450.
- Farmer, T. W. & Hollowell, J. H. (1994). Social networks in mainstream classrooms: Social affiliations and behavioral characteristics of students with emotional and behavioral disorders. *Journal of Emotional and Behavioral Disorders*, 163(2), 143-155.
- Farmer, T., W., Van Acker, R. M., Pearl, R., Rodkin, P. C. (1999). Social networks and peer-assessed problem behavior in elementary classrooms of students with and without disabilities. *Remedial and Special Education*, 29(4), 244-
- Frederickson, N. L. & Furnham, A. F. (1998). Sociometric –status group classification of mainstreamed

children who have moderate learning difficulties: An investigation of personal and environmental factors. *Journal of Educational Psychology*, 90(4), 772-783.

Frederickson, N. & Turner, J. (2003). Utilizing the classroom peer group to address children's social needs:

An evaluation of the circle of friends intervention approach. *Journal of Special Education*, 36(4), 0022-4669.

Hagborg, W. J. (1998). School membership among students with learning disabilities and nondisabled students in a semirural high school. *Psychology in the schools*, 35(2), 183-188.

Hall, L. J. (1994). A descriptive assessment of social relationships in integrated classrooms. *Journal of the Association for Personals with Severe Handicaps*, 4(19), 302-313.

Hall, L. J. & McGregor, J. A. (2000). A follow-up study of the peer relationships of children with disabilities in an inclusive school. *Journal of Special Education*, 34(3), 114-127.

Heiman, T. (2005). An examination of peer relationships of children with and without attention deficit hyperactivity disorder. *School Psychology International*, 26(3), 330-339.

Kemp, C. & Carter, M. (2002). The social skills and social status of mainstreamed students with intellectual disabilities. *Educational Psychology*, 22(4), 391-411.

Margalit, M. (1998). Sense of coherence and loneliness among preschoolers with learning disabilities. *Journal of Learning Disabilities*, 31(2), 173-180.

Mu, K., Siegel, E. B., & Allinder, R. M. (2000). Peer interactions and sociometric status of high school students with moderate or severe disabilities in general education classrooms. *JASH*, 25(3), 142-152.

- Pearl, R., Farmer, T. W., VanAcker R., Rodkin, P. C., Bost, K. K., Coe, M., & Henley, W. (1998). The social integration of students with mild disabilities in general education classrooms: Peer group membership and peer-assessed social behavior. *The Elementary School Journal*, 99(2), 167-185.
- Roberts, C., & Zubrick, S. (1992). Factors influencing the social status of children with mild academic disabilities in regular classrooms. *Exceptional Children*, 59(3), 192-202.
- Salisbury, C. L., Gallucci, C., Palombro, M. M. & Peck, C. (1995). Strategies that promote social relations among elementary students with and without severe disabilities in inclusive schools. *Exceptional Children*, 62(2), 125-137.
- Shireen, P. & Luftig, R. (2000). The social face of inclusive education: Are students with learning disabilities really included in the classroom? *Preventing School Failure*, 45(1), 1-12.
- Stanovitch, P. J., Jordan, A., & Perot, J. (1998). Relative differences in academic self-concept and peer acceptance among students in inclusive classrooms. *Remedial and Special Education*, 19(2), 1-12.
- Vaughn, S. Haager, D., Hogan, A., Kouzekanani, K. (1992). Self-concept and peer acceptance in students with learning disabilities: A four- to five-year prospective study. *Journal of Educational Psychology*, 84(1), 43-50.
- Vaughn, S., Hogan, A., Kouzekanani, K. & Shapiro, S. (1990). Peer acceptance, self-perceptions, and social skills of learning disabled students prior to identification. *Journal of Educational Psychology*, 82(1), 0022-0663.
- Williams, L. J. & Downing, J. E. (1998). Membership and belonging in inclusive classrooms: What do middle school students have to say? *The Journal of the Association for Persons with Severe Handicaps*, 23(2), 98-110.
- Wolfberg, P. J., Zercher, C., Lieber, J., Capell, K., Matias, S., Hanson, M., & Odom, S. L. (1999). "Can I play with you?" Peer culture in inclusive preschool programs. *The Journal of the Association for Persons with Severe Handicaps*, 24(2), 69-84.

