Family factors associated with participation of children with disabilities: a systematic review

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This article is commented on by Anaby and Pozniak on page 502 of this issue.

AIM The aim of this review was to synthesize empirical evidence of family factors associated with participation of children with disabilities aged 5 to 12 years to inform the development of family-centred participation-fostering interventions.

METHOD A systematic search was performed for articles published in English between 2001 and 2017 in MEDLINE, PsycINFO, CINAHL, Scopus, and ASSIA following the Preferred Reporting Items for Systematic Review and Meta-Analysis (PRISMA) guidelines. Quality of evidence was appraised using the Research Triangle Institute Item Bank. Family factors associated with participation were identified and assessed using a multistage ‘semi-quantitative’ approach.

RESULTS Thirty studies were included in the review. Four non-modifiable ‘status’ factors consistently associated with participation were parental ethnicity, parental education, family type, and family socio-economic status. Six modifiable ‘process’ factors with consistent associations with participation were parental mental and physical health functioning, parental self-efficacy beliefs, parental support, parental time, family preferences, and activity orientation.

INTERPRETATION Rehabilitation professionals should direct their focus towards modifiable family factors as primary targets for family-centred interventions. Strategies that can improve families’ access to information, counselling, and community support services are likely to support children’s participation by empowering families and optimizing their health and well-being.

The benefits of participation for physical and psychological health and well-being of children with disabilities are well established.1-2 Participation, broadly defined as ‘involvement in a life situation’,3 is linked to children’s growth and development, and enables experiences of meaning and purpose.4,5 Optimizing participation of children with disabilities is an outcome desired by parents6,7 and a primary goal of rehabilitation services.5 However, children with disabilities participate less frequently and in a narrower range of activities, and are generally less involved when they do participate compared to their peers without disabilities.7-10 As a result, children with disabilities may lack the benefits linked to participation.

The need to identify effective interventions to foster children’s participation is an urgent priority. Better knowledge about factors contributing to children’s participation and interdependencies between them is central for informing participation-fostering interventions. Previous reviews have examined personal and environmental factors that affect participation of children with disabilities.11-17 The most commonly identified factors were child age, sex, skills and functional abilities, preferences and enjoyment, parental values and preferences, supports and acceptance from others, and accessibility of physical environment.11-17 However, these reviews have described the influence of a wide range of factors on participation in specific activities1,11-15,17 or settings,14 focused predominantly on children with physical disabilities11,13,15,17 or provided a narrative evaluation of the findings.11,13-16

Skills and competences shape participation, and are shaped by participation in safe and supportive life situations.9 Family plays a central role in facilitating children’s skills and competence development.4,18-20 During middle childhood (defined as ages 5–12y), a child’s mastery of developmental challenges is strongly influenced by family experiences and dynamics of relationships among family members.21,22 Differences in family experiences produce important variations in children’s participation, which affect children’s life experiences in and beyond this developmental period.21,22 It is thus important to focus on the family unit and better understand family/parental factors contributing to children’s participation,23,24 especially in middle childhood. Better knowledge about family factors consistently associated with participation of children with disabilities will support the development of participation-fostering family-centred interventions. The current review
METHOD

The Preferred Reporting Items for Systematic Review and Meta-Analysis (PRISMA) guidelines was used for this review. A protocol was developed a priori and published in the database of prospectively registered systematic reviews (www.crd.york.ac.uk/PROSPERO; registration number: CRD42017078202).

Search strategy and screening

A systematic search was performed by a single researcher (SA) for articles published in English between January 2001 and September 2017 in MEDLINE (EBSCO), PsycINFO (EBSCO), CINAHL (EBSCO), Scopus (ProQuest), and ASSIA (ProQuest). Restrictions to the publication date were applied to capture the literature reflective of the World Health Organization’s International Classification of Functioning, Disability and Health for Children and Youth conceptualization of participation as a health indicator influenced by a dynamic interaction between multiple factors unique to the child and the attitudinal, social, and physical environment. Search terms were determined after the detailed assessment of indexing terms applied to a ‘known’ set of articles meeting inclusion criteria for the review and finalized with an information specialist. A combination of subject headings and free-text terms for disability, age of participants, participation, family factors, and study design was applied. The detailed search strategy for MEDLINE is supplied (Fig. S1, online supporting information). Additional studies were identified by a manual search of the reference lists of included articles and contents pages of Developmental Medicine and Child Neurology; Archives of Physical Medicine and Rehabilitation; Disability and Rehabilitation; Child: Care, Health and Development; and Research in Developmental Disabilities published from January 2012 to September 2017.

Initial electronic search yielded 2547 published articles. After removal of duplicates, 1532 titles and abstracts were screened for relevance by two independent researchers (SA and EC), resulting in 40 full-text articles retrieved for further eligibility assessment. Twenty-five articles corresponding to 21 individual studies met the inclusion criteria. Discrepancies in the agreement were resolved by consensus. A manual search identified additional nine studies (Fig. S2, online supporting information).

Articles were limited to peer-reviewed publications in English aiming to establish the relationship between family factors and participation of children with disabilities aged 5 to 12 years (mean age <12y). Presence of disability was identified through diagnosis presented in the article or identification of other health or educational support provisions. To ensure inclusion of a wide range of articles, the International Classification of Functioning, Disability and Health for Children and Youth’s conceptualization of participation as the child’s ‘involvement in child-relevant life situations’ was applied. Articles that considered known participation measures or in which participation items captured any combination of the International Classification of Functioning, Disability and Health for Children and Youth’s nine Activities and Participation domains were included. Family factors were defined as factors pertinent to the parents or family unit as a whole including any socio-demographic, psychological, behavioural, and parental health-related factors. Only observational studies (i.e. prospective and retrospective cohort, case-control, cross-sectional) that reported quantitative evidence on associations of interest were included. Articles were excluded if they focused only on: (1) typically developing children, (2) wider community (e.g. neighbours or peers), (3) children’s quality of life, behavioural difficulties, or (4) results were from case studies, conference posters, commentaries, or other grey literature.

Data extraction

Data extraction was performed using a standardized, prepiloted data extraction form by two researchers (SA and EC) independently. The following details were extracted: (1) generic information: study author(s), years of publication; (2) data describing study aims, design, and population; (3) details on family factors and participation outcome explored (i.e. activity types, settings, dimensions); and (4) study results and information for the assessment of the risk of bias. For studies including both children with and without disabilities of a wider age group, results pertinent to children with disabilities in the targeted age group were extracted unless no segregation of findings based on disability status and age group was provided.

Quality appraisal

Quality appraisal was performed by two independent researchers (SA and EC) using the adapted version of the Research Triangle Institute (RTI) Item Bank. The RTI Item Bank captures all the domains critical for evaluating observational studies and allows customization from the investigator based on research needs. The RTI Item Bank has high interrater reliability and has been previously used to assess the risk of bias and precision of observational studies. The original RTI 29-item tool was adapted to fit the review objectives. The tailored RTI 14-item tool assessed the selection bias, detection bias,
attrition bias, selective outcome reporting, confounding, and validity of interpretation of studies (Table SI, online supporting information). Possible response categories to each item were combinations of ‘yes’, ‘no’, ‘partially’, ‘cannot determine’, and ‘not applicable’. For ease of interpretation, the categories ‘cannot determine’ and ‘partially’ were collapsed into the ‘unclear risk of bias’ category. Agreement between two researchers was assessed by a joint probability agreement. All the discrepancies in opinion were resolved by consensus.

Data analysis
Meta-analysis was not feasible because of significant heterogeneity in study designs, family factors and participation activity types, settings, and dimensions measured. There was also incomplete reporting of findings (e.g. in some cases only significant results were reported) and statistics necessary for calculation of Pearson’s zero-order correlation coefficients or alternative effect sizes.30,31 Attempts to obtain required statistical information resulted in only a few corresponding authors acknowledging the receipt of data requests. Direct combination of standardized regression beta coefficients32 was not appropriate because of substantial variations in covariates31 in each multivariate model. Imputation of missing Pearson’s zero-order correlations using the existing standardized regression beta coefficients32 was not considered because this approach results in biased findings.13

Results were therefore synthesized and interpreted by a single researcher (SA) using a multistage ‘semi-quantitative’ approach.17,34 If meta-analysis is not possible, such an approach is superior to narrative reporting because it provides objective evidence on strength, direction, and consistency of associations.17 First, family factors assessing the same underlying construct but using different terms to describe it were combined into a single identifying factor (Table SII, online supporting information). Second, factors were classified into two major groups adapted from previous literature:35,36 family ‘status’ and family ‘process’ factors. Third, for family factors examined by two or more studies two parameters were calculated:17,34 (1) the number of studies that attempted to establish relationships between family factors and participation; and (2) the number of studies that established the relationship as significant ($p<0.05$). Then, the percentage of studies supporting the established relationship with participation was computed by dividing the number of studies that established a significant relationship by the total number possible. From the obtained percentage value, it was determined whether the family factor and participation outcome had a positive or negative association, inconsistent association, or no association. Family factors were considered to be associated with participation if at least 60 per cent of studies supported the established associations with the outcome.17,34 The rules of classifying the consistency of evidence were adapted from previous research17,34 and are summarized in Table I.

<table>
<thead>
<tr>
<th>% of studies supporting association</th>
<th>Coding</th>
<th>Code meaning</th>
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<tbody>
<tr>
<td>0–33</td>
<td>0</td>
<td>No association</td>
</tr>
<tr>
<td>34–59</td>
<td>?</td>
<td>Inconsistent association</td>
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<td>60–100</td>
<td>+</td>
<td>Positive association</td>
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<td>–</td>
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<td>Negative association</td>
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Double summary codes ‘++’, ‘––’, ‘00’ are applied when three or more studies support a positive/negative association or no association, and ‘??’ is applied to show that the factor has been studied frequently but findings are inconsistent.

RESULTS
Thirty studies were included in the review. The detailed description of characteristics of these studies is supplied in Table SIII (online supporting information). Before 2010, only six articles18,24,37–40 reporting on unique samples of children with disabilities met our inclusion criteria. Six studies shared samples,9,41–45 but differed substantially in the methodology and sample subgroups. These were retained as individual studies. Studies were conducted in Europe ($n=9$), Canada ($n=7$), United States ($n=5$), collaboratively between Canada and United States ($n=2$), Australia ($n=4$), and Israel ($n=3$). Except four longitudinal studies24,43,44,46 all studies used cross-sectional design.

Quality appraisal
Most of the studies described the study populations and selection in sufficient detail. One study was at high risk of bias because of study subgroups incomparability by age.47 Eight studies included a convenience sample and were at unclear risk of selection bias. Study sample size ranged from 23 to 77 470 (weighted). None of the studies with a sample size of 67 or lower37,39,43,48–50 provided sufficient justification on the adequacy of proposed sample sizes, hence, were rated at unclear risk of bias in external validity and precision. Measures used to collect data on family factors varied (Table SIII). Two studies, however, did not provide descriptions on how these data were obtained.9,52 Participation was assessed using seven measurement tools (Table SIV, online supporting information) with the Children’s Assessment of Participation and Enjoyment53 being the most frequently used measure. Six studies did not report on validity and reliability of the participation measures used and were rated at unclear risk of bias.51,54–58 Out of four studies with longitudinal designs, one study was at high risk of attrition bias,41 while the remaining studies provided insufficient information to assess the attrition rate. Six studies provided inadequate adjustment for confounding variables in their analysis and were at unclear risk of bias. Taking into account the individual study’s limitations, the findings were considered credible in 24 studies and partially credible in six of the included studies (Table SV, online supporting information). Nevertheless, no study was excluded from data synthesis. The agreement
in the quality appraisal between two researchers was high (78%).

Family factors
This review identified findings in two major groups of family factors: 'status' and 'process' as illustrated in Figure 1. This taxonomy differentiates modifiable family process factors (what families experience and do) from non-modifiable status factors (who families are).35,36

The review distinguished two subgroups of status factors: (1) family socio-demographic factors and (2) family structure; and four subgroups of process factors: (1) parental health and well-being, (2) parental beliefs, perceptions, and attitudes, (3) parental behaviour, and (4) family resources (for details on how some factors were collapsed into a single identifying factor within each subgroup refer to Table SII. Evidence of the measures of association between each factor and participation dimensions, activity domains, and settings is summarized in Table SIII. Table II shows a summary of evidence on the consistency of associations for family factors examined in at least two studies (for the assessment rules refer to Table I). The sections below describe the main findings. Associations that were studied most often are discussed first.

Socio-demographic factors
Family income was studied most frequently, but findings showed inconsistent association with participation (Table II). Parental education was consistently associated with participation with lower education predicting reduced participation.9,40,45,48,59,60 However, in two studies,47,50 higher education predicted reduced participation. Lower socio-economic status46,48,50,55,61 was consistently associated with reduced participation. Hispanic ethnicity increased risk for non-participation in organized activities,55 and having ethnicity other than white was associated with decreased participation in leisure activities.24 Indigenous Australian ethnicity was positively associated with participation in a single study.56 Parental religion was examined in a single study with no association with participation reported.50

Family structure
Family type was studied most frequently. Living in a single-parent family was consistently associated with decreased participation in leisure activities.40,55,62 No study showed a significant association between a number of siblings and participation. The presence of an older or a younger sibling in the household was examined, each in a single study. The relationship was established only between

Figure 1: A taxonomy of family factors examined by the included studies
the presence of an older sibling and participation in more household tasks for children with attention-deficit/hyperactivity disorder.17

Parental health and well-being
Parental mental health functioning, defined as a state of psychological, social, emotional well-being in which parents can realize their potential and cope with the stresses of life,63 was the most frequently studied factor and the one consistently associated with participation. Parental stress was associated with reduced participation of children with cerebral palsy in leisure activities.39,42,43 Higher parental stress was also associated with reduced assistance provided to children with attention-deficit/hyperactivity disorder to support their participation.37 Children of parents with better mental health functioning had better participation in interpersonal relationships.58 Parental physical functioning was consistently associated with participation, but the direction of associations varied across disabilities. A positive association was established for social participation of children with Down syndrome58 and a negative association for participation of children with physical disabilities in recreational activities.24 Parental quality of life was examined in a single study with a positive association established for participation in informal leisure activities.43

Parental beliefs, perceptions, and attitudes
Parental self-efficacy beliefs were studied most often showing consistent positive association with participation.50,60 Attitudes of family/greater community41,64 and parental perceptions of the child’s impact on the family17,59 were associated with participation inconsistently (Table II). Parental beliefs about activity and perceptions of activity demands were examined in a single study.51 Children of parents who shared negative beliefs about activity (e.g., physical activity too overstimulating) and perceived it to be difficult to make required arrangements for their children participated in fewer physical activities.51

Parental behaviour
Supports for the child from parents/greater community was studied most often.18,41,57,62,64 The presence of parental support was consistently positively associated with participation41,57 except in a single study where the association was negative.62 Family preferences18,19 and activity orientation18,19,43 towards social and recreational activities were positively associated with children’s
participation in leisure activities. Parental coping behaviour and family relationships (cohesion/conflict) were not related to participation. Parenting style, parents’ personal participation, and family routines were examined, each in a single study. A positive relationship was established between parental prioritization of family routines and participation of children with attention-deficit/hyperactivity disorder in household tasks. Negative parenting style and parents’ personal participation were not related to participation.

Available resources
Supports for the family were examined most frequently but no conclusive evidence was found to support an association with participation. Studies examining the effect of parental time availability on participation revealed a consistent positive association. Absence of financial and time impact on family (measured as a single construct) was examined in a single study with no association with participation established. Another study, however, revealed significant differences between parents of children with disabilities compared to parents of typically developing peers in respect to finance and time being usually insufficient/inadequate to support their children’s participation in the community.

DISCUSSION
This systematic review summarized the evidence for family factors associated with participation of children with disabilities aged 5 to 12 years. Family factors identified in the review were grouped according to a taxonomy which distinguishes non-modifiable status factors from modifiable process factors. Status factors consistently associated with participation were parental ethnicity, parental education, family type, and socio-economic status. Process factors with consistent associations were parental mental and physical health functioning, parental self-efficacy beliefs, parental support, parental time, family preferences, and activity orientation. Implications of the key findings are discussed from theoretical, practical, and research perspectives.

In line with findings of previous research, this review found consistent relationships between family socio-economic disadvantage, parental mental and physical health functioning, and children’s participation. There is strong theoretical support for the role of socio-economic disadvantage in influencing children’s outcomes through parental mental health and quality of interpersonal relationships. The family stress model suggests that parental psycho-emotional problems (stress, anxiety, depression), triggered or exacerbated by a lack of material resources, have a direct negative impact on marital relationships. Accumulated tension from interpersonal problems ‘splits over’ into parent–child interaction and manifests itself in the form of negative or punitive parenting. Negative parental practices are associated with significant developmental difficulties for children, including behavioural problems, physical health difficulties, and problems in interpersonal relationships. These developmental difficulties are linked to reduced participation.

Further, parental mental and physical health problems undermine parents’ confidence in their ability to successfully raise children, commonly referred to as parental self-efficacy beliefs. Parents with low self-efficacy beliefs are less likely to adopt effective parenting behaviour and provide safe and positive life situations for their children to participate in. This in turn may reinforce perceptions of low self-efficacy beliefs and increase emotional tension in parents.

It is important to consider that there may be a causal feedback loop. Parental stress and lower self-efficacy beliefs might be caused by having and/or caring for a child with disability. Evidence suggests that parents, especially mothers of children with disability, are at increased risk of poor mental and physical health functioning. This is a result of parental lack of ability to cope effectively with stressors caused by the demands of the child’s illness.

Given the importance of effective coping strategies in managing daily stressors, developing parental competence and their resilience might be promising targets for family-centred rehabilitation. Further, based on evidence suggesting the effectiveness of direct support strategies in lowering stress levels in families, informing parents and referring them to existing counselling services, social parental networks, and respite services are important considerations.

Similar to previous reviews, this review has identified that family preferences and activity orientation are important for children’s participation. Families that are better oriented towards intellectual activities and participate more intensely in social-recreational activities create more opportunities for their children’s direct involvement in activities and behaviour is informed by knowledge, beliefs, and attitudes. Rehabilitation professionals may consider educating parents on the development of consistent family routines oriented towards active participation in recreational activities.

It was found that disadvantaged family circumstances (ethnic minority status, material, social, and educational deprivation) were associated with reduced participation. These findings were supported by large-scale survey data and are consistent with the results of previous reviews. Social disadvantage appears to affect participation irrespective of children’s disability type and health support needs. Socio-economically disadvantaged and single-parent families face greater challenges in meeting the child’s and family immediate needs within limited financial and time resources. Limited resources make it harder for parents to provide children with opportunities and experiences. Persistent lack of resources is also disruptive for parental psychological functioning and cohesive family relationships, and can result in less affectionate and more aggressive family climates. The latter negatively affects children’s well-being, their beliefs of what they can accomplish, and their beliefs in what they can become.
It appears that disadvantaged families encounter stressors associated with their family situations (financial and time tension, inequalities, limited knowledge, inability to seek for needed services) which affect parental attitudes and behaviour and may account for the risk to children’s well-being and participation. While such circumstances are hard to modify, rehabilitation professionals may monitor disadvantaged families for factors amenable to change. Additionally, improving parental access to information (e.g. informing them of low-cost or free-of-charge activities), community support programmes, financial service/schemes, and childcare funds might ease the financial and time tension placed on families and support participation. Advocacy efforts directed towards promoting the rights of disadvantaged families with childhood disability can also educate local authorities/policy makers and help to create conditions necessary for positive reforms and reallocation of available resources for social integration and inclusion.

Review findings supported an association between parental support and participation. However, no association with participation was found for other indicators of family dynamics: family relationships (cohesion/conflict), attitudes, and parenting style. These findings appear counterintuitive. However, (1) the effect of these factors was not examined extensively, and (2) an absence of direct association does not imply no association. The effect of these factors might be mediated by the other factors directly affecting participation. Positive family dynamics (emotional bond, helpful and encouraging patterns of interaction between family members) is a distinctive feature of cohesive families. Families that display these characteristics participate more in recreational activities18 which predicts more intense participation. Further, cohesive families exercise effective parenting behaviour which is linked with children’s positive development and their social and psycho-emotional functioning26 – the predictors of more intense participation in leisure activities. Rehabilitation professionals can inform and educate parents about the importance of family cohesive relationships, positive parenting, provision of supports, and opportunities in facilitating children’s abilities to support participation in daily activities.

This review did not find a consistent association between family income and participation. This contradicts previous research13,14,16,23 and earlier findings of this review that socio-economic disadvantage is a barrier to participation. There is, however, evidence suggesting that income in isolation may not be an effective indicator of economic disadvantage. Low income infers economic disadvantage rather than directly measuring it,25 and it reveals little about real-life experiences. High-income families can still experience economic disadvantage through uncontrolled consumption or poor distribution of resources.67 Equally, low-income families may be resource rich or have measures in place to alleviate disadvantage (e.g. through borrowing). It is difficulties meeting needs on available financial resources, gradually accumulating debt and ‘money worries’ that make families economically vulnerable.77

**Future research**

Results were derived from studies having predominantly cross-sectional designs. Prospective studies are needed to confirm findings. Except in six studies, the remaining studies examined participation in leisure and recreational activities. Research on participation in other settings, particularly school, is required. Research modelling the relationships between socio-economic disadvantage, parental mental and physical functioning, children’s developmental outcomes, and participation using national longitudinal cohort data sets will help to identify and understand the factors across different international contexts. Findings also highlight the need for research on family dynamics and participation. Future research should consider measuring family economic vulnerability alongside family income to allow objective evaluations of economic disadvantage.

**Strengths and limitations**

This is the first review to systematically examine associations between family factors and participation in children with various disabilities aged 5 to 12 years. The review adhered to the PRISMA guidelines to ensure transparency and rigour in methodology. A multistage ‘semi-quantitative’ approach was used to analyse the data, thereby reporting objective evidence on the measures of associations. However, a few limitations should be acknowledged. Participation is a complex construct resulting from a dynamic relationship between a cluster of factors unique to the child, their family, and wider environment. This review targeted family/parental factors only and as such did not extract and assess the effect of other factors important to participation. The selection of papers was restricted to those published in peer-reviewed journals in English, which might have led to language and publication bias. Substantial heterogeneity in studies, selective reporting of findings, and incomplete reporting of essential statistics precluded correlational meta-analysis. The strengthening of standard methods of reporting of observational studies (e.g. STROBE statement)78 would improve the ability to compare different studies, and facilitate future meta-analysis.

**CONCLUSION**

This review emphasized the role of family factors in shaping participation of children with disabilities. Family status and process factors were associated with participation, with varying effects across disabilities and participation activity domains. It appears that disadvantaged family circumstances shaped by status factors may predispose families to a variety of stressors. The way parents evaluate and deal with these stressors may adversely affect parental health and well-being, their subjective perceptions and behaviour, which in turn can pose the risk to children’s well-being and participation. Family status factors are hard to modify; hence, rehabilitation professionals should prioritize process factors as primary targets of individually tailored, family-centred interventions. Key process factors for intervention are parental mental and physical health functioning, parental self-
efficacy beliefs, parental support, parental time, and family preferences and activity orientation. Strategies that can improve families’ access to information, counselling services, parental support networks, and/or community support programmes are likely to support children’s participation by empowering families and optimizing their health and wellbeing. Additionally, advocacy efforts promoting the rights of families with childhood disability at local and national level can be helpful in reshaping existing policy interventions to meet families’ needs more effectively and thereby improve outcomes for children.

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SUPPORTING INFORMATION

The following additional material may be found online:

Figure S1: Search strategy.
Figure S2: Flow diagram detailing study selection process.
Table S1: Research Triangle Institute 14-item tool
Table SII: Factors combined into a single identifying factor
Table SIII: Summary of included studies
Table SIV: Description of validated tools applied to measure participation
Table SV: Quality appraisal based on the customized Research Triangle Institute 14-item tool

REFERENCES


FACTORES FAMILIARES ASOCIADOS CON LA PARTICIPACIÓN DE NIÑOS CON DISCAPACIDAD: UN ESTUDIO SISTEMÁTICO

OBJETIVO El objetivo de esta revisión fue sintetizar la evidencia empírica de los factores familiares asociados con la participación de niños con discapacidad entre los 5 y 12 años para informar el desarrollo de intervenciones que fomentan la participación centrada en la familia.

METODO Una búsqueda sistemática fue realizada en artículos publicados en inglés entre 2001 y 2017 en MEDLINE, PsycINFO, CINAHL, Scopus, y ASSIA de acuerdo con los ítems reportados preferentes para guías de Búsqueda Sistemática y Meta-Análisis. La calidad de la evidencia fue evaluada utilizando el Banco de Itens del Research Triangle Institute (RTI). Fueron identificados los factores familiares asociados con la participación y evaluados utilizando un enfoque semicuantitativo de varias etapas.

RESULTADOS Fueron incluidos 30 estudios en esta revisión. Cuatro factores no modificables de “estado” asociados sistemáticamente con la participación fueron la etnia de los padres, el nivel de educación de los padres, el tipo de familia, y el estatus socioeconómico de las familias. Seis factores de “proceso” modificables con asociaciones consistentes con la participación fueron el funcionamiento de salud física y mental de los padres, creencia de autoeficacia de los padres, soporte parenteral, tiempo de los padres, preferencias familiares, y orientación a la actividad.

INTERPRETACIÓN Los profesionales de la rehabilitación deben dirigir su foco hacia los factores modificables como objetivo primario para las intervenciones centradas en la familia. Estrategias que puedan mejorar el acceso de las familias a la información, asesoramiento, y servicios de apoyo comunitario que apoyen la participación de los niños y empoderar a las familias y optimizar su salud y bienestar.

RESUMO

FAÇORES FAMILIARES ASOCIADOS COM PARTICIPAÇÃO EM CRIANÇAS COM INCAPACIDADES: UMA REVISÃO SISTEMÁTICA

OBJETIVO O objetivo desta revisão foi sintetizar a evidência empírica de fatores familiares associados com participação de crianças com incapacidades de 5 a 12 anos para informar o desenvolvimento de intervenções centradas na família que promovam a participação.


RESULTADOS Trinta estudos foram incluídos na revisão. Quatro fatores com estado “não-modificável” consistentemente associados com participação foram etnia parental, educação parental, tipo de família e situação sócio-econômica da família. Seis fatores de “processo” modificáveis com associações consistentes com participação foram saúde e funcionamento mental e físico dos pais, auto-eficácia parental, apoio parental, tempo parental, preferências familiares e orientações para atividades.

INTERPRETAÇÃO Profissionais de reabilitação devem direcionar o foco para fatores familiares potencialmente modificáveis como alvos primários para intervenções centradas na família. Estratégias que podem melhorar o acesso da família a informação, aconselhamento e serviços de suporte na comunidade têm probabilidade de apoiar a participação da criança por empoderar famílias e otimizar sua saúde e bem estar.