



Newsletter

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Editor's Note

Welcome to the second instalment of the HMinfo Newsletter for 2022.

In this newsletter, we introduce a new HMinfo publication, the latest research publications by others relevant to home modifications for older people and people with disability, and inform you about the main events for the coming period.

NEW HMinfo RESOURCES

Evidence-Based Practice review: The quality and usability of selected evaluation and outcome measures in home-based occupational therapy for children and young people with physical disabilities: extended findings from a systematic review

Background: This investigation critically appraises selected measures from a previous systematic review and links these with occupational therapy in the home.



Objectives: To identify, describe and determine the quality of selected evaluation and outcome measures applicable to occupational therapy in the home for children and young people with predominantly physical disabilities, and to provide qualified guidance for occupational therapists in selecting high-quality measures for best practice.

Search Methods: Searches for each named measure were conducted in PubMed, COSMIN Database of Systematic Reviews of Outcome Measurement Instruments, Google Scholar, measure-specific webpages, and other on-line sources.

Data Collection and Analysis: Data collection for selected measures used a modified Law and MacDermid's 'Appraisal for Clinical Measurement Research Reports Evaluation' approach. This method includes critically appraisal of both psychometric and clinimetric properties, particularly usability and responsiveness to change, to determine the quality of the evidence. The 'Quality Appraisal for Clinical Measurement Research Reports Evaluation' was used to grade the design of single studies including excellent, adequate and unsuitable and 'A Measurement Tool to Assess Systematic Reviews' for systematic reviews.

Results: Twenty-two eligible primary evaluation and outcome measures were selected and appraised for quality in the areas of - Activities for self-care and

functional mobility; Participation - household tasks, and physical environment; Occupational Performance; Neuromuscular and Movement-related Functions, and Disability and Development.

Measures with an excellent rating of quality and usability were the Child and Adolescent Scale of Participation; Canadian Occupational Performance Measure; Goal Attainment Scaling; Pediatric Evaluation of Disability Inventory-Computer Adaptive Test; Participation and Environment Measure for Children and Youth.

Measures with an adequate rating were the Assisting Hand Assessment - Kids; Assisting Hand Assessment - Mini; Activities Scale for Kids ©; Children's Assessment of Participation and Enjoyment; Child and Adolescent Factors Inventory; Child and Adolescent Scale of Environment; ; Children Helping Out: Responsibilities, Expectations, and Supports; European Child Environment Questionnaire; School, Home and Neighbourhood Accessibility: Physically Disabled Children's Assessments; Young Children's Participation and Environment Measure.

Measures with an unsuitable rating were the Box and Blocks Test, Bruininks-Oseretsky Test of Motor Proficiency; Bayley Scales of Infant and Toddler Development; Infant Motor Profile; Peabody Developmental Motor Scales; Quality of Upper Extremity Skills Test.

Author's Conclusions: The most useful measures are those that combine the evaluation of the client's occupational performance within the home environment and focus on the Occupational Therapy Practice Framework. The usability of measures needs to be considered in addition to validity, particularly responsiveness and reliability.

[Download this resource from the HMinfo website](#)

Video: Arranging Home Modifications

This video outlines what home modifications are, why they are beneficial and how you can arrange them for yourself or someone in your care. It also touches on frequently raised concerns, such as obtaining funding via available subsidies.

[Watch the video at the HMinfo website](#)

Recent HMinfo RESOURCES

Consumer Factsheet: Home automations for older people and people with disability

"Home automations" or "smart controls" for the home can be very useful for older people and people with disabilities with mobility limitations and who might be sensitive to environmental parameters, such as high/low indoor temperatures, lighting, etc. This factsheet aims to present the main categories of home automations that can be particularly useful for older people and people with

disabilities and describe some considerations for their installation, in new or existing homes.

[View this resource on your browser](#)

Industry Factsheet: Home automations for older people and people with disability

"Home automations" or "smart controls" for the home can be very useful for older people and people with disabilities with mobility limitations and/or are sensitive to environmental parameters, such as high/low indoor temperatures, lighting, etc. This factsheet aims to present the main categories of home automations that can be particularly useful for older people and people with disabilities and describe some considerations for their installation, in new or existing homes.

[View this resource on your browser](#)

Evidence-Based Practice review: Activities, Participation, Accessibility and Safety in the Home Environment for Children and Young People with Physical Disabilities: A Systematic Review

Fowler, B., Kirwan, T.

In Australia, nearly two percent of children and young people under 15 years with a disability have physical restrictions. Many will require occupational therapy at some stage in their lives to facilitate independence in activities of daily living, participation, home accessibility and home safety. This systematic review aims to identify effective occupational therapy for children and young people with physical disability in the home.

[View this resource on your browser](#)

EVENTS

International Conference on Disability, Healthcare Disparities and Social Determinants of Health

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the [conference program](#). Events will run over a span of time during the conference depending on the number and length of the presentations. With its high quality, it provides exceptional value for students, academics and industry researchers.

The International Conference on Disability, Healthcare Disparities and Social Determinants of Health aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Disability, Healthcare Disparities and Social

Determinants of Health. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Disability, Healthcare Disparities and Social Determinants of Health.

[Link](#)

Implementation Science Health Conference Australia 2023

The second Implementation Science Health Conference Australia (ISHCA 23) will once again bring together leaders in implementation science and practice to share successful innovations and how to sustain evidence-based healthcare improvement at scale.

This in-person event is a must for all researchers, clinicians and health service managers seeking to support the implementation of research evidence into practice.

[Link](#)

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