



Using the PEDI-CAT in Clinical Practice and Research

Presented by Helene Dumas and Maria A. Fragala-Pinkham

Tuesday, November 17, 2020

11:00 a.m. to 12:00 p.m. Eastern Time Zone

Sponsored by Pearson Clinical Assessment

Overview

The authors of the Pediatric Evaluation of Disability Inventory Computer Adaptive Test (PEDI-CAT) will provide information about the Item Response Theory and computer adapted testing as it applies to the PEDI-CAT. They will explain how to interpret PEDI-CAT scores to identify deficits in functional performance to assist with service delivery recommendations and describe how to develop a plan of care in varied clinical settings including early intervention, school, and hospital (inpatient acute and rehab outpatient). There will be a discussion about how the PEDI-CAT can be used to evaluate change over time for both individuals and groups, and case study examples will be provided. This is an intermediate-level webinar.

Learner Outcomes

Based on the content of the workshop, participants will be able to:

1. Discuss the properties and benefits of Item Response Theory (IRT) and computer adaptive testing as applied to the PEDI-CAT
2. Describe how the PEDI-CAT scores are used to detect and identify challenges in functional performance, and evaluate change over time for individuals
3. List two considerations when using PEDI-CAT scores to develop a plan of care
4. Explain two of the psychometric properties of the PEDI-CAT assessment

Time-ordered Agenda – Eastern Time Zone

11:00 – 11:10 a.m.	Overview of the properties and benefits of Item Response Theory (IRT) and computer adaptive testing as applied to the PEDI-CAT
11:10 – 11:40 a.m.	Case Demonstration of the PEDI-CAT and PEDI-CAT ASD (Autism Spectrum Disorder) for Clinical Practice Use -
11:40 – 11:55 a.m.	Identify use of PEDI-CAT in Research (15 minutes) -
11:55 – 12:00 p.m.	Questions and Answers

About the Presenter(s)

Helene Dumas, PT, DPT, MS is the director of The Medical-Rehabilitation Research Center at Franciscan Children's Hospital in Boston. Dr. Dumas received her Bachelor of Science degree in Physical Therapy from Boston University, a Master of Science degree in Human Services Administration from the University of Massachusetts, Boston and a Doctor of Physical Therapy from Northeastern University. She has served in clinical, supervisory, and administrative roles with infants, children, adolescents and adults with disabilities in early intervention, schools, home health, and hospital settings. She has presented on clinical topics and research findings, and has academic teaching experience in pediatric, neuromuscular, and cardiopulmonary physical therapy. Dr. Dumas has developed functional outcomes measures to use with children with disabilities and has



published numerous articles examining functional outcomes for children following acquired and traumatic brain injury. Dr. Dumas has conducted research in hospital and community settings using the original PEDI and has conducted studies using the PEDI to examine inpatient rehabilitation outcomes and ascertain the impact of specific interventions.

Maria A. Fragala-Pinkham, PT, DPT, MS is a physical therapist and manager of Research and Quality Improvement at Boston Children's Hospital. At the time the PEDI-CAT was developed, Dr. Fragala-Pinkham was a clinical researcher in the Medical-Rehabilitation Research Center at Franciscan Children's Hospital. Dr. Fragala-Pinkham received her Bachelor of Science degree in Physical Therapy from Northeastern University, a Master of Science degree in Human Movement Science from the University of North Carolina, and a Doctor of Physical Therapy from MGH Institute of Health Professions in Boston. She has worked in a variety of clinical pediatric settings including early intervention, schools, home care, and hospital inpatient and outpatient programs. In addition, she has developed community and hospital-based adaptive sports and fitness programs for children with special needs. Dr. Fragala-Pinkham has published articles on the topics of pediatric outcome measurement, effectiveness of therapeutic interventions, and fitness for children with disabilities. She presents on physical therapy intervention and outcome measurement for local and international audiences.

Disclosure:

Financial - Helene Dumas is receives a speaking fee from CRECare. Dr Dumas received free PEDI-CAT software from CRECare

Non-Financial: Dr Dumas is one of the authors of the PEDI-CAT and provides consultation to CRECare about the PEDI-CAT

Financial: Dr. Fragala-Pinkham's previous employer received payment for her work on the development of the PEDI-CAT (subcontract for STTR grant) and for review of updates of the PEDI-CAT program and development (CRECare). Dr Fragala-Pinkham received free PEDI-CAT software from CRECare.

Non-Financial: Dr Fragala-Pinkham is one of the authors of the PEDI-CAT and provides consultation to CRECare about the PEDI-CAT

The Pearson Assessment Division, the sponsor of this webinar, develops and distributes assessments and intervention tools for speech-language pathologists, occupational therapists, and psychologists. This course will address appropriate use of the PEDI-CAT, an assessment published by CRECare LLC and distributed exclusively by Pearson Clinical Assessment. No other assessments will be discussed during this presentation.



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- Credentialed by a state regulatory agency to practice SLP or audiology
- Credentialed by a national regulatory agency to practice SLP or audiology
- Engaged in a Clinical Fellowship, which is supervised by someone with their ASHA CCC
- Currently enrolled in a masters or doctoral program in SLP or audiology

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