

PEDICAT: Pediatric Evaluation of Disability Inventory, Computer Adaptive Test **Full Profile Review**

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Name of the measure

PEDICAT: Pediatric Evaluation of Disability Inventory, Computer Adaptive Test

Author(s) / Publisher(s)

- English original (US): <https://www.pedicat.com/>

Author: S. M. Haley, W. J. Coster, H. M. Dumas, M. A. Fragala-Pinkham, & R. Moed.

Publisher: Pearson Publishing

- Spanish translation (ES)

Author: M. E. Gannotti, & C Cruz.

- Portuguese translation (BR)

Author: M. C. Mancini, W. J. Coster, M. F. Amaral, B. S. Avelar, R. Freitas, & R. F. Sampaio.

- Italian translation (IT)

Author: C. Sarno, S. Barsaglini, M. Baccini, L. Roberti, & L. Mocciaro.

- Dutch translation (BE)

Author: J. Wassenberg-Severijnen, J. Custers, A. Dallmeijer, M-A. Kuijper, J. Voorman, G. Verkerk, H. Gorter, K. Desloovere, C. Huenaerts, N. Bos, M. F. Engel, N. J. van Rijswijk, J. Verheijen, W. Coster, R. Moed, & M. Ketelaar.

- Danish translation (DK)

Author: M. Stahlhut, L. Bolvig Laursen, E. K. Mikkelsen, & J. Christensen.

- Norwegian translation (NO)

Author: I. Wigernaes, R. Jahnsen, A-S. Dolva, & M. Berg.

- Swedish translation (SE)

Author: E. Nordmar, L. Krumlinde-Sundholm, & K. Orban.

- German translation (CH)

Author: C. Kocher, C. Schulze, J. Page, B. Brändli, P. Marsico, R. Amann, & M. Häussler.

Age Range

0-3 years, 3-7 years

Age Range Information

0 to 20 years

SEL Skills targeted

Responsible decision-making, Relationship skills, Social awareness, Self-awareness, Self-management

Scales and Subscales

Domains:

Daily Activities

68 items in four content areas including Getting Dressed, Keeping Clean, Home Tasks, and Eating & Mealtime.

Mobility

75 items in four content areas including Basic Movement & Transfers, Standing & Walking, Steps & Inclines, and Running & Playing. There are an additional 10 items specifically for children who use mobility devices such as walking aids (canes, crutches, walkers) and a Wheelchair subdomain with 12 items.

Social/Cognitive

60 items in four content areas of Interaction, Communication, Everyday Cognition, and Self Management.

Responsibility

51 items that assess the extent to which a young person is managing life tasks that enable independent living in four content areas of Organization & Planning, Taking Care of Daily Needs, Health Management, and Staying Safe. The items in the Responsibility Scale require children to use several functional skills in combination to carry out life tasks. For this reason, this is a more difficult domain and is estimated to assess children and youth beginning at the age of 3 years and extending up to the age of 21 years.

Response Scales

For the three Functional Skills domains of Daily Activities, Mobility, and Social/Cognitive, children's ability is rated on a 4 point Difficulty Scale with responses ranging from "Unable" to "Easy." The Responsibility domain has its own 5 point Responsibility Scale with responses ranging from 'Adult/caregiver has full responsibility; the child does not take any responsibility' to 'Child takes full responsibility without any direction, supervision or guidance from an adult/caregiver'.

Sources of information

Child, Parent

Formats for administration

Direct assessment, Questionnaire

Administration

No additional specific conditions are required. The questionnaire is filled by the child's caregiver/clinician assessing the present moment. The scale can be used more than once on the same child at different times. The questionnaire can be filled in on a smart device. It takes a different amount of time, depending on which version is chosen. Mostly, it's around 60 minutes.

Scoring

Electronic

Scoring information

After completion, the scores show instantly. A Detailed Score Report and a Summary Score Report are also presented.

English & Spanish: The results go over the threshold (>0.9).

Brazilian-Portuguese:

Inter-Examiner: 0.83-0.89

Test-Retest: 0.96-0.97

Internal Consistency: 0.99

Italian:

Inter-Rater: >0.54

Test-Retest: >0.943

Training

Qualification Level B

PEDI-CAT Manual is available and recommended for users so they can familiarize themselves with the scale before using it.

Strengths and Weaknesses

Strengths: Its availability for different ages, the possibility to use it more than once, the scaled scoring, the independence of each domain, easily accessible, available in many languages.

Weaknesses: Its length (apprx. 60 mins), the positioning of the skills (at the end), difficulties with the standardization.

Other Relevant Information

Adaptations:

Spanish:

<https://europepmc.org/article/med/11382207>

Brazilian-Portuguese:

<https://www.scielo.br/j/rbfis/a/7nKT6CM5V6rFRsgfBmJpTMs/abstract/?lang=en>

Belgian, Danish, German, Dutch, Swedish, Norwegian:

<https://www.kcrutrecht.nl/wp-content/uploads/2018/09/Poster-PEDI-CAT-EACD-2015.pdf>
(German/Swedish/Norwegian, Danish/Dutch)

Citation

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