

IDS-2: Intelligence and Development Scales for Children and Adolescents (Skale Inteligencji I Rozwoju dla Dzieci i Młodzieży IDS-2) Full Profile Review

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Name of the measure

IDS-2: Intelligence and Development Scales for Children and Adolescents (Skale Inteligencji i Rozwoju dla Dzieci i Młodzieży IDS-2)

Author(s) / Publisher(s)

- German original (CH)

Author: A. Grob, P. Hagmann-von Arx.

Publisher: Hogrefe AG

- Dutch translation (NL)

Author: S. Ruiter, M. Timmerman, & L. Visser.

Publisher: Hogrefe Uitgevers

- Polish translation (PL):

<https://www.practest.com.pl/ids-2-skale-inteligencji-i-rozwoju-dla-dzieci-i-mlodziezy>

Author: A. Jaworowska, A. Matczak, & D. Fecenec.

Publisher: PRACOWNIA TESTÓW PSYCHOLOGICZNYCH POLSKIEGO TOWARZYSTWA PSYCHOLOGICZNEGO Sp. z o.o. (Psychological Test Laboratory of the Polish Psychological Association)

- English translation (GB): <https://www.ids-2.com/>

Author: A. Barnett, N. Stuart, & S. Vanzan.

Publisher: Hogrefe Publishing Corp.

Age Range

3-7 years

Age Range Information

5 to 20 years

SEL Skills targeted

Self-management, Social and emotional development

Scales and Subscales

The IDS-2 is a tool designed for a thorough evaluation of skills and competences in persons aged 5-20. The battery includes 30 tests to examine cognitive skills (intelligence, executive functions) and competences (psychomotor, socio-emotional and school competences as well as work attitude). In addition the examiner can rate the subject's behaviour during examination.

Intelligence

Visual processing

Long-term memory

Processing speed

Short-term memory auditory

Short-term memory spatial-visual

Abstract thinking

Verbal thinking

Executive functions
Name words
Divide attention
Name animal colors
“Drive” along paths once
Psychomotor skills
Gross motor skills
Fine motor skills
Eye-hand coordination
Social-emotional skills
Recognize emotions
Emotional regulatory strategies
Acting socially competent
School skills
Logical-mathematical thinking
Language skills
Reading
Writing
Working attitude
Conscientiousness
Achievement motivation
Cooperation during the test situation
Intelligence part 1
1) Reproducing shapes (RS)
2) Retelling a story (RTS)
3) Crossing out two features (CTF)
4) Repeating number and letter sequences (RNL)
5) Recognizing figures (RF)
6) Completing matrices (CM)
7) Naming categories (NC)
Intelligence part 2
8) Placing counters (PC)
9) Describing a picture (DP)
10) Crossing out boxes (CB)
11) Repeating mixed sequences of numbers and letters (RSNL)
12) Recognizing rotated figures (RRF)
13) Identifying the odd one out (IOO)
14) Naming opposites (NO)
The function area Executive functions
15) Listing words (LW)
16) Dividing attention (DA)
17) Saying animal colors (SAC)

18) Traveling routes once (TRO)

The function area Psychomotor skills

19) Gross motor skills (GMS)

20) Fine motor skills (FMS)

21) Visual-motor skills (VMS)

The function area Social and emotional competence

22) Identifying emotions (IE)

23) Regulating emotions (RE)

24) Socially competent behaviour (SCB)

The function area Scholastic skills

25) Logical mathematical reasoning (LMR)

26) Language skills (LS)

27) Reading (REA)

28) Spelling (SP)

The function area Attitude to work

29) Conscientiousness (CO)

30) Achievement motivation (AM)

Sources of information

Child

Formats for administration

Direct assessment, Self-assessment

Administration

Individual application.

IDS-2 can be used modularly and thus be adapted to individual problems:

Intelligence

IQ screening: approx. 10 minutes

IQ: approx. 50 minutes

IQ profile: approx. 90 minutes

Executive functions: about 30 minutes

Psychomotor skills: approx. 20 minutes

Social-Emotional skills: approx. 15 minutes

School skills: depending on age approx. 30-60 minutes

Working attitude: approx. 7 minutes

Administered individually: the standard procedure involves modular examination (to examine selected areas of individual functioning). The average examination time: intelligence (14 tests) – about 90 min.; executive functions (4 tests) – about 30 min.; competences: psychomotor skills (3 tests) – about 20 min.; socio-emotional competences (3 tests) – about 15 min.; school competences (4 tests) – 30-60 minutes depending on the subject's age; work attitude (2 tests) – about 7 minutes.

Scoring

Electronic

Scoring information

Online scoring program

Polish adaptation:

Norms were developed for 36 different age groups. For children aged 5-9 the quarter norms were developed, for those aged 10-14 – the semi-annual norms and for persons aged 15-20 – the annual norms. Calculated scores in the tests are defined on a scale of 19 points with an average of 10 and SD of 3. The IQs and factor scores are defined with an average of 100 and SD = 15. The IQs' ranges are between 30 and 170. For children aged 5-14 age equivalents were developed showing their respective ages in which a particular raw score in the test equals an average calculated score (10 points).

Psychometric Properties

Psychometric properties are valid for German, English, and Dutch version, because we are using a global database:

Internal consistency: Cronbach's Alpha for IQ values = .96

Retest reliability after 2 weeks are available.

Studies are available on construct validity (e.g. IDS, WISC-IV, M-ABC-2), criterion validity (e.g. school achievement) and differential validity (e.g. ADHD, autism spectrum disorder, intelligence impairment, high giftedness).

Polish adaptation:

Reliability: Very high internal consistencies and stabilities for the IQs and factor scores as well as typically high (> .70) reliabilities of intelligence tests. High reliability of the general executive functions index as well as satisfactory (about .80) reliability of tests scores. In competences tests the general indices reliability is typically high (between .80 and .90) and fully justifies their being used in individual assessment. The general socio-emotional competences index is of a slightly lower reliability (about .70). Particular test scores usually have fully satisfactory reliability levels. Test scores for work attitude are characterized by the high internal consistency and stability.

Validity: Intelligence tests – intelligence structure as measured by the IDS-2 is parallel to the original version. Raw test scores increase with age. IQs and factor scores are significantly correlated with parallel scores on the WAIS-R (PL). There is also significant correlation between the IDS-2 scores in primary and middle schools students and their school grades. Intellectually disabled children have low scores on the IDS-2. The battery allows for valid differentiation of intellectual disability levels (low vs. moderate).

Executive functions tests – their scores increase with age. They also show relationships with intelligence, esp. with the scores of the tests measuring information processing and resistance to distractors. They correlate with Children's Color Trails Test CCTT. They are low in children with dyslexia and ADHD.

Competences tests – the validity of competences measurement was confirmed by the collected data. The confirmation of the socio-emotional competences tests proved the weakest, whereas that of the school competences tests proved the strongest. The results were significantly correlated with teacher's ratings concerning all different kinds of competences.

Training

Test user accreditation; relevant qualifications/experience/.

Training is recommended, not mandatory.

Poland: Master's degree in psychology required; training recommended but not mandatory

Strengths and Weaknesses

Strengths: The IDS-2 can be used to identify and diagnose intellectual disabilities and learning disorders, as well as assessing cognitive and motor skills, and emotional strengths and weaknesses.

The IDS-2 has a modular design so that each assessment session covers the areas needed in an individual way.

Other Relevant Information

The IDS-2 has been standardized on children and adolescents aged 5:0 to 20:11 years in:

German: n = 1,672 in Germany, Austria, and Switzerland from 2015 to 2017

Dutch: n = 1,665 in the Netherlands from 2016 to 2017

Italian: n = 1,111 in Italy from 2017 to 2019

K.: n = 1,372 in the U.K. from 2018 to 2020

Development is in progress in Czech, Danish, Finnish, Norwegian, Portuguese, Spanish, and Swedish.

Polish adaptation:

Intelligence and Development Scales for Children and Adolescents IDS-2 (Skale Inteligencji i Rozwoju dla Dzieci i Młodzieży IDS-2) measures fluid, crystallized and general intelligence and also different spheres of development but only one sphere – social and emotional competence (measured by sub-tests: Emotional recognition, Emotional regulation, Social operation competence) refers to social competence directly.

Skale Inteligencji i Rozwoju dla Dzieci i Młodzieży IDS-2. Podręcznik 1. Podstawy teoretyczne, własności psychometryczne, interpretacja. Warszawa: Pracownia Testów Psychologicznych PTP, 2018.

Skale Inteligencji i Rozwoju dla Dzieci i Młodzieży IDS-2. Podręcznik 2. Przeprowadzanie badania i obliczanie wyników. Warszawa: Pracownia Testów Psychologicznych PTP, 2018.

Skale Inteligencji i Rozwoju dla Dzieci i Młodzieży IDS-2. Podręcznik 3. Tabele norm. Warszawa: Pracownia Testów Psychologicznych PTP, 2018.

Citation

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