

IBQ-R: Infant Behavior Questionnaire, Revised (Rothbart Temperament Scales)

Full Profile Review

Generated: 2024-12-01 10:46:04

Name of the measure

IBQ-R: Infant Behavior Questionnaire, Revised (Rothbart Temperament Scales)

Author(s) / Publisher(s)

- English original (US): <https://research.bowdoin.edu/rothbart-temperament-questionnaires/frequently-asked-questions/#QuestionsList>

Author: M. A. Gartstein & M. K. Rothbart.

Publisher: The instrument is not for sale. Access to it can be requested and granted given a scientific purpose is provided

- Portuguese translation (PT)

Author: R. Costa & B. Figueiredo.

Age Range

0-3 years

Age Range Information

3 to 12 months

SEL Skills targeted

Self-management

Scales and Subscales

The Infant Behavior Questionnaire (IBQ) and Infant Behavior Questionnaire, Revised version (IBQ-R) have been designed to measure temperament in infants between the ages of 3 and 12 months.

IBQ-R has 3 factors, 14 scales:

Surgency/Extraversion:

- Approach - 12 items
- Vocal reactivity - 12 items
- High intensity pleasure - 11 items
- Smile and laughter - 10 items
- Activity level - 15 items
- Perceptual sensitivity - 12 items

Negative Affectivity:

- Sadness - 14 items
- Distress to limitations - 16 items
- Fear - 16 items
- Falling reactivity - 13 items

Orienting/Regulation:

- Low intensity pleasure - 13 items

- Cuddliness - 17 items
- Duration of orienting - 12 items
- Soothability - 11 items

IBQ-R Short Form has the 14 scales of IBQ-R with 91 items.

IBQ-R Very Short Form has three board scales (Surgency/Extraversion, Negative Affectivity and Orienting/Regulation) and 37 items. Two of the board scales have 12 items and one has 13.

Sources of information

Parent

Formats for administration

Questionnaire

Administration

Time required:

IBQ-R – 20-30 minutes; Short – 30-40 minutes; Very Short – 10-15 minutes;

The instrument required the use of only a pen/pencil and paper. It is done individually with the child.

Clear type of scores, compatible with SPSS. Currently, the scoring is mostly done manually, but electronically-based versions are being developed.

Scoring

Manual, Electronic

Scoring information

Online scoring

Psychometric Properties

Very good results in reliability and validity.

Internal Consistency: 0.67-0.94

Inter-Rater: 0.28-0.71

Test-Retest:

Mother: 0.50-0.79

Father: 0.48-0.76

IBQ-R internal consistency of the three factors (USA version):

Surgency/Extraversion = .92

Negative Affectivity and Orienting/Regulation = .91

IBQ-R Short and Very Short Forms have reliability above .65

Training

No special training is required, but Level B in Psychological assessment qualification is recommended.

Strengths and Weaknesses

Strengths: The tool is easy to use, good in structure, excellent validity, and it's conveniently translated to many languages.

This instrument is validated for many languages and populations.

Weaknesses: It is important to be careful with the parental reports.

Other Relevant Information

Denham, S.A., Ji, P., & Hamre, B. (2010). Compendium of Preschool Through Elementary School Social-Emotional Learning and Associated Assessment Measures. University of Illinois, Chicago.

Gartstein, M. A., & Rothbart, M. K. (2003). Studying infant temperament via the Revised Infant Behavior Questionnaire. *Infant Behavior and Development*, 26 (1), 64-86.

Putnam, S. P., Helbig, A. L., Gartstein, M. A., Rothbart, M. K. & Leerkes, E. (2014). Development and Assessment of Short and Very Short Forms of the Infant Behavior Questionnaire-Revised. *Journal of Personality Assessment*, 96, 445-458.

Rothbart, M. K. (1981). Measurement of temperament in infancy. *Child Development*, 52, 569-578.

Mary Rothbart's Temperament Questionnaires

<https://research.bowdoin.edu/rothbart-temperament-questionnaires/instrument-descriptions/>

<https://research.bowdoin.edu/rothbart-temperament-questionnaires/frequently-asked-questions/#QuestionsList>

Every form of this questionnaire has free access at

<https://research.bowdoin.edu/rothbart-temperament-questionnaires/>

Investigations with the purpose of studying the validity and reliability of the different translations:

IBQ-R:

German: Vonderlin, E., Ropeter, A., & Pauen, S. (2012). Assessment of temperament with the Infant Behavior Questionnaire Revised (IBQ-R) - the psychometric properties of a German version. *Z kinder Jugendpsychiatr Psychother*, 40(5), 307-314. <https://doi.org/10.1024/1422-4917/a000187>

Polish: Dragan, W. L., Kmita, G., & Fronczyk, K. (2011). Psychometric properties of the Polish adaptation of the Infant Behavior Questionnaire-Revised (IBQ-R). *International Journal of Behavioral Development*, 35(6), 542-549. <https://doi.org/10.1177/0165025411422181>

Portuguese: Costa, R. & Figueiredo, B. (2018). Infant behaviour questionnaire - revised version: a psychometric study in a Portuguese sample. *Journal of Reproductive and Infant Psychology*, 36(2), 207-218. <https://doi.org/10.1080/02646838.2018.1436752>

Russian: Gartstein, M. A., Slobodskaya, H. R., & Kinsht, I. A. (2003). Cross-cultural differences in the first year of life: United States of America (USA) and Russia. *International Journal of Behavioral Development*, 27, 316 – 328. <https://doi.org/10.1080/01650250244000344>

It's important to note that the IBQ-R has two additional versions: (1) short form and (2) very short form and were created by S. Putnam, A. L. Helbig, M. A. Gartstein, M. K. Rothbart and E. Leerkes. Also, the following translations are described on the official website of Bowdoin:

IBQ-R Short Form:

Dutch: M. Roest-Zeeuw and K. van Doesum, with minor corrections made by Christina Bergmann, Julia Egger and Cielke Hendriks

Finnish: Katri Räikkönen-Talvitie, Kati Heinonen and the Developmental Psychology Research Group of University of Helsinki

Greek: M Arampatzi and L. Zacharaki

Italian: Rosario Montirosso, Patrizia Cozzi and Sam Putnam

Serbian-Bosnian: Olja Borovnica

Swedish: Eric Zander

IBQ-R Very Short Form:

Czech: Miloň Potměšil and Petra Potměšilová of Palacky of University in Olomouc

Danish: Katrine Isabella Wendelboe and Johanne Smith-Nielson

Dutch: M. Roest-Zeeuw and K. van Doesum with minor corrections made by Christina Bergmann, Julia Egger and Cielke Hendriks.

German: Susanne Kristen, Hannah Eisenbus, Claudia Thoermer and Beate Sodian

Hungarian: Krisztina Lakatos

Italian: Rosario Montiroso, Patrizia Cozzi, and Sam Putnam

Note: Norwegian (Bokmal) translations of short versions of select IBQ-R scales, translated by Harald Janson and Asne Naerde

Citation

This document was generated from the database used to create the Assessment Measures Compendium:

Koltcheva, N., C. Peixoto, V. Coelho, (2022). Social and Emotional Competences and Development of Children Aged Zero to Seven: European Assessment Measures Compendium. EU-SELF Project. ISBN 978-619-233-217-4 (can be downloaded from <https://euself.nbu.bg>)