

The Repetitive Behaviour Questionnaires

Background information

The information below is provided by the Wales Autism Research Centre, Cardiff University and Newcastle University. Each Repetitive Behaviour Questionnaire is listed and the reference and online link for the published validation studies are provided. Please see the published studies for information about psychometric properties.

Repetitive Behaviour Questionnaire-2 (RBQ-2): A 20-item parent questionnaire designed to measure children's restricted, repetitive and sensory behaviours. This was created by Prof Sue Leekam and Dr Michelle Turner at Durham University. Originally it was designed as a brief questionnaire for use in longitudinal studies. Subsequently it has been widely used for a range of different general and clinical populations. The items come from the original RBQ (Turner, 1995; Honey et al., 2012; see below) and the Diagnostic Interview for Social and Communication Disorders (DISCO; Wing, 2002). The RBQ-2 was first validated in a research collaboration between Durham and Newcastle University in 2007:

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1469-7610.2007.01778.x>

Leekam, S, Tandos, J., McConachie, H., Meins, E., Parkinson, K., Wright, C., Turner, M., Arnott, B., Vittorini, L., & Le Couteur, A. (2007). Repetitive behaviours in typically developing 2-year-olds. *Journal of Child Psychology and Psychiatry*, 48, 11, 1131-1138. doi: 10.1111/j.1469-7610.2007.01778.x

Adult Repetitive Behaviour Questionnaire-2 (RBQ-2A): A 20-item self-report questionnaire designed to measure adults' restricted, repetitive and sensory behaviours. This was created by Dr Sarah Barrett for her PhD at Cardiff University with Prof Sue Leekam and Dr Catherine Jones, Cardiff University. It has identical items to the RBQ-2 but is adapted for adult use. The measure was validated in research by Cardiff University in collaborations with La Trobe University (2015) and Stanford University (2018):

<https://link.springer.com/article/10.1007/s10803-015-2514-6>

<https://link.springer.com/article/10.1186/s13229-018-0242-4>

Barrett, S. L., Uljarević, M., Baker, E. K., Richdale, A. L., Jones, C. R. G., & Leekam, S. R. (2015). The adult repetitive behaviours questionnaire-2 (RBQ-2A): A self-report measure of restricted and repetitive behaviours. *Journal of Autism and Developmental Disorders*, 45(11), 3680-92. doi: 10.1007/s10803-015-2514-6

Barrett, S.L., Uljarevic, M., Jones, C.R.G., Leekam, S.R. (2018). Assessing subtypes of restricted and repetitive behaviour using the Adult Repetitive Behaviour Questionnaire-2 in autistic adults. *Molecular Autism*, 9, 58. doi: 10.1186/s13229-018-0242-4

Repetitive Behaviour Questionnaire-3 (RBQ-3): A 20-item lifetime questionnaire combining the RBQ-2 and RBQ-2A. This is created by Prof Sue Leekam and Dr Catherine Jones at Cardiff University and is currently being tested. It is designed to be suitable for use at all ages, as both self- and other-report, but is not yet available to download. See below for contact details if you would like a copy of this measure.

The original Repetitive Behaviour Questionnaire (RBQ): A 33-item parent questionnaire designed to measure children's repetitive behaviours. This is the original RBQ measure and was created by Dr Michelle Turner for her PhD (Cambridge University, 1995). The questionnaires above were informed by some of the items within this earlier questionnaire.

It was first validated in research at Newcastle University by Honey, McConachie, Turner & Rodgers (2012):

<https://www.sciencedirect.com/science/article/abs/pii/S1750946711001176?via%3Dihub>

Honey, E., McConachie, H., Turner, M., & Rodgers, J. (2011). Validation of the repetitive behaviour questionnaire for use with children with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 6, 355-364. doi: 10.1016/j.rasd.2011.06.009

Accessing the Repetitive Behaviour Questionnaires

All measures are freely available.

RBQ-2 and RBQ-2A

The questionnaires and the Standard Operating Procedures can be accessed from Cardiff University:

Cardiff University: <https://www.cardiff.ac.uk/research/explore/research-units/wales-autism-research-centre>

The Standard Operating Procedures include background information, terms and conditions of use, details about the psychometric properties of the measures, and scoring instructions.

RBQ-3

Please contact the authors Prof Sue Leekam (leekamsr@cardiff.ac.uk) and Dr Catherine Jones (jonescr10@cardiff.ac.uk) directly if you would like to receive a copy of this.

RBQ

The RBQ can be downloaded from the Newcastle University website:

<https://research.ncl.ac.uk/neurodisability/leafletsandmeasures/repetitivebehavioursquestionnaire/>

Translated versions

For information about translated versions of the RBQ-2, RBQ-2A or RBQ-3 please contact Prof Sue Leekam (leekamsr@cardiff.ac.uk) and Dr Catherine Jones (jonescr10@cardiff.ac.uk). The translated versions of the RBQ can be found on the Newcastle webpage:

<https://research.ncl.ac.uk/neurodisability/leafletsandmeasures/repetitivebehavioursquestionnaire/>

List of available translations:

Repetitive Behaviours Questionnaire-2 (RBQ-2):

- Chinese (Taiwan usage) version
- Dutch version
- German version
- Latvian version
- Persian version
- Portuguese version
- Spanish version
- Swedish version
- Welsh version

Repetitive Behaviours Questionnaire-2A (RBQ-2A):

- Dutch version
- German version
- Latvian version
- Persian version
- Portuguese version
- Spanish version
- Swedish version
- Welsh version

Repetitive Behaviour Questionnaire-3 (RBQ-3)

- Translated versions of RBQ-3 will soon be available

Repetitive Behaviours Questionnaire (RBQ):

- Hebrew version
- Spanish version

List of contacts

RBQ-2, RBQ-2A, RBQ-3:

Dr Catherine Jones and Prof Sue Leekam: jonescr10@cardiff.ac.uk;

LeekamSR@cardiff.ac.uk

Wales Autism Research Centre, Cardiff University:

www.walesautismresearchcentre.com

<https://www.cardiff.ac.uk/research/explore/research-units/wales-autism-research-centre>

RBQ: Dr Jacqui Rodgers: Jacqui.Rodgers@newcastle.ac.uk

Newcastle University:

<https://research.ncl.ac.uk/neurodisability/leafletsandmeasures/repetitivebehavioursquestionnaire/>