

THE REVISED COMPREHENSIVE AUTISTIC TRAIT INVENTORY (CATI-R) ¹

Friederike Charlotte Hechler, Outi Tuomainen, Nathan Weber, Frank Fahr, Bodie Karlek,
Marie Maroske, Meike Misia, & Nathan Caruana

Below is a list of statements relating to various personality traits, behaviours, and characteristics. Using the five response options select the option that best describes you. When responding, think about yourself both now and across your life. For items of a social nature, think about situations that do not involve very close friends or family members. Try not to spend too much time thinking about each choice.

| SOC = Social Interactions COM = Communication MAS = Masking | | | RIG = Cognitive Rigidity REP = Repetitive Behaviours SEN = Sensory Sensitivity | | | Definitely Disagree | Somewhat Disagree | Neither Agree nor Disagree | Somewhat Agree | Definitely Agree |
|---|-----|--|--|--|--|------------------------|----------------------|-------------------------------|-------------------|---------------------|
| 1 | REP | I fiddle or play repetitively with objects or body parts (e.g., clicking pens or twirling my hair) | | | | 1 | 2 | 3 | 4 | 5 |
| 2 | RIG | I like to stick to certain routines/rituals for everyday tasks | | | | 1 | 2 | 3 | 4 | 5 |
| 3 | MAS | I expend a lot of mental energy trying to fit in with others | | | | 1 | 2 | 3 | 4 | 5 |
| 4 | SEN | I am sensitive to bright lights | | | | 1 | 2 | 3 | 4 | 5 |
| 5 | RIG | I prefer to do activities the same way (e.g., how I arrange food on my plate, or organise my clothes) | | | | 1 | 2 | 3 | 4 | 5 |
| 6 | MAS | I observe people interacting (e.g., in movies or everyday situations) and try to imitate them when I need to socialise | | | | 1 | 2 | 3 | 4 | 5 |

¹ Based on English, M. C. W., Gignac, G. E., Visser, T. A. W., Whitehouse, A. J. O., Enns, J. T., & Maybery, M. T. (2021). The comprehensive autistic trait inventory (CATI): Development and validation of a new measure of autistic traits in the general population. *Molecular Autism*, 12(1), 37–37.

In collaboration with Hanan Bayrouti, Anna Dellarosa, Franca Dellarosa, Wendy Higgins, Christian Stephan Erdmann Ambrosius Fischer, Sharon Wieries, and many others who did not wish to be named.

| | | | | | | | |
|----|-----|---|---|---|---|---|---|
| 7 | REP | I tend to rock my whole body or repetitively move body parts (e.g., tapping fingers, or bouncing my knee) | 1 | 2 | 3 | 4 | 5 |
| 8 | SOC | I enjoy social events (e.g., e.g., weddings or birthdays) | 5 | 4 | 3 | 2 | 1 |
| 9 | MAS | I make an effort to appear more sociable | 1 | 2 | 3 | 4 | 5 |
| 10 | SOC | I try to avoid social situations that involve face-to-face interactions with people I do not know well | 1 | 2 | 3 | 4 | 5 |
| 11 | SEN | My senses can be overloaded in some situations | 1 | 2 | 3 | 4 | 5 |
| 12 | REP | Fiddling with objects (e.g., keys or soft toys) can help me calm down or collect my thoughts | 1 | 2 | 3 | 4 | 5 |
| 13 | COM | I find it difficult to understand non-verbal cues (e.g., facial expressions, body language) of people I don't know well | 1 | 2 | 3 | 4 | 5 |
| 14 | RIG | I can have strong preferences about how my belongings are organised | 1 | 2 | 3 | 4 | 5 |
| 15 | SOC | Social interaction is easy for me | 5 | 4 | 3 | 2 | 1 |
| 16 | MAS | When interacting with other people, I spend a lot of effort monitoring how I am perceived | 1 | 2 | 3 | 4 | 5 |

In collaboration with Hanan Bayrouti, Anna Dellarosa, Franca Dellarosa, Wendy Higgins, Christian Stephan Erdmann Ambrosius Fischer, Sharon Wieries, and many others who did not wish to be named.

| | | | | | | | |
|----|-----|--|---|---|---|---|---|
| 46 | SOC | I find social occasions challenging, tiring, or stressful | 1 | 2 | 3 | 4 | 5 |
| 18 | SEN | I am sensitive to touch | 1 | 2 | 3 | 4 | 5 |
| 45 | COM | I find it easy to sense what someone else is feeling (e.g., due to their facial expression or tone of voice) | 5 | 4 | 3 | 2 | 1 |
| 20 | REP | I tend to pace or move around in a repetitive path | 1 | 2 | 3 | 4 | 5 |
| 21 | RIG | I feel discomfort when prevented from completing a particular routine | 1 | 2 | 3 | 4 | 5 |
| 22 | MAS | I find it helpful to plan how I will interact with others (e.g., things to share or questions to ask) | 1 | 2 | 3 | 4 | 5 |
| 44 | COM | People who do not know me well tend to misunderstand me (e.g., people think I am angry or flirting with them) | 1 | 2 | 3 | 4 | 5 |
| 24 | SEN | I am sensitive to particular tastes (e.g., salty, sour, spicy, or sweet) or textures (e.g., slippery, coarse, sharp) | 1 | 2 | 3 | 4 | 5 |
| 25 | REP | I engage in certain repetitive actions or activities when I feel stressed (e.g., playing with sensory toys or watching the same movie) | 1 | 2 | 3 | 4 | 5 |
| 26 | COM | I do not use non-verbal cues intuitively in my interactions with others (e.g., eye gaze, facial expression, or hand gestures) | 1 | 2 | 3 | 4 | 5 |

In collaboration with Hanan Bayrouti, Anna Dellarosa, Franca Dellarosa, Wendy Higgins, Christian Stephan Erdmann Ambrosius Fischer, Sharon Wieries, and many others who did not wish to be named.

| | | | | | | | |
|----|-----|---|---|---|---|---|---|
| 27 | RIG | I prefer to do things in a certain way, or re-doing things until it is satisfactory to me | 1 | 2 | 3 | 4 | 5 |
| 28 | SOC | I feel confident or capable when meeting new people | 5 | 4 | 3 | 2 | 1 |
| 47 | MAS | I tend to suppress certain behaviours even though I find them soothing | 1 | 2 | 3 | 4 | 5 |
| 43 | SOC | Sensing what someone else is feeling can be stressful for me | 1 | 2 | 3 | 4 | 5 |
| 31 | SEN | A smell can make it hard for me to focus on anything else | 1 | 2 | 3 | 4 | 5 |
| 32 | REP | There are certain repetitive actions that others consider to be characteristic of me (e.g., stroking my hair or talking about a particular subject) | 1 | 2 | 3 | 4 | 5 |
| 33 | COM | Metaphors or figures-of-speech confuse me | 1 | 2 | 3 | 4 | 5 |
| 34 | RIG | I feel distressed when plans are changed | 1 | 2 | 3 | 4 | 5 |
| 35 | SOC | I find it difficult to make new friends or maintain friendships | 1 | 2 | 3 | 4 | 5 |
| 36 | SEN | I experience strong reactions to unexpected loud noises | 1 | 2 | 3 | 4 | 5 |

In collaboration with Hanan Bayroui, Anna Dellarosa, Franca Dellarosa, Wendy Higgins, Christian Stephan Erdmann Ambrosius Fischer, Sharon Wieries, and many others who did not wish to be named.

| | | | | | | | |
|----|-----|---|---|---|---|---|---|
| 37 | COM | I have experienced difficulty understanding someone else's point-of-view | 1 | 2 | 3 | 4 | 5 |
| 38 | RIG | I like to arrange items in particular ways (e.g., in rows, patterns, by colour, by size etc.) | 1 | 2 | 3 | 4 | 5 |
| 39 | MAS | I try to follow certain rules in order to get by in social situations | 1 | 2 | 3 | 4 | 5 |
| 40 | SEN | I am sensitive to flickering lights | 1 | 2 | 3 | 4 | 5 |
| 41 | REP | I have certain habits that I find difficult to stop (e.g., biting/tearing nails, pulling strands of hair) | 1 | 2 | 3 | 4 | 5 |
| 42 | COM | I have difficulty understanding the norms or unspoken rules of social situations | 1 | 2 | 3 | 4 | 5 |