Supplementary Table 3: Apathy Scales and interviews

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| --- | --- | --- | --- |
|  | Scale for: | Apathy dimensions\*  Apathy specific \*\* | Original study population |
| Brief Psychiatric Rating Scale (BPRS)  [1] [Overall and Gorham (1962)](http://www.cmhconline.com/images/userfiles/File/Article_BriefPsychiatricRating_Scale(1).pdf) | Clinician | Emotion  No | Paranoia  Schizophrenia  Depression |
| Positive and Negative Syndrome Scale (PANSS) [2] [Kay et al. (1987)](https://www.ncbi.nlm.nih.gov/pubmed/3616518) | Clinician | Emotion, Social Interaction  No | Schizophrenia |
| Scale for the Assessment of Negative Symptoms (SANS)  [3] [Andreasen (1989)](http://psycnet.apa.org/record/1990-13687-001) | Clinician | Emotion, Social interaction  No | Schizophrenia |
| Apathy Evaluation Scale  (AES-S/I/C)  [4] [Marin et al. (1991)](https://www.sciencedirect.com/science/article/pii/016517819190040V) | Self-report  Caregiver  Clinician | Cognition, Behavior, Emotion  Yes | AD (Alzheimer’s disease),  Brain injury,  Major depression |
| Apathy Scale (AS)  [5] [Starkstein et al. (1992)](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.461.658&rep=rep1&type=pdf) | Clinician | Cognition, Behavior, Emotion  Yes | PD (Parkinson’s disease) |
| Neuropsychiatric Inventory NPI  [6] [Cummings et al. (1994)](https://www.ncbi.nlm.nih.gov/pubmed/7991117) | Caregiver | Cognition, Behavior, Emotion  No | Dementia |
| Unified Parkinson’s Disease Rating Scale (UPDRS) 1 item  [7] [Martinez-Sarriez et al. (1994)](https://www.ncbi.nlm.nih.gov/pubmed/12815652/10.1002/mds.10473) | Clinician | Cognition, Behavior  No | PD |
| The Behavioural Assessment of Dysexecutive Syndrome- DEX  [8] [Wilson et al. (1996)](http://www.sxf.uevora.pt/wp-content/uploads/2013/03/Munir_2003.pdf#page=38) | Clinician  Self-report | Cognition, Behavior, Emotion  No | Brain injury |
| Irritability-Apathy Scale (IAS) [9] [Burns et al. (1997)](https://www.ncbi.nlm.nih.gov/pubmed/2136908/) | Caregiver  Clinician | Cognition, Behavior  No | AD  HD (Huntington disease) |
| Frontal Lobe Personality Scale (FLOPS) now known as the Frontal Systems Behavior Scale (FrSBe)  [10] [Grace et al. (1999)](http://journals.sagepub.com/doi/abs/10.1177/107319119900600307) | Self-report  Caregiver  Clinician | Cognition, Behavior  No | Brain injury  (frontal lobe) |
| NPIa-Q  [11] [Kaufer et al. (2000)](https://www.ncbi.nlm.nih.gov/pubmed/11001602) | Caregiver | Cognition, Behavior, Emotion  No | AD |
| L’échelle d’appréciation de la démotivation (EDA)  [12] [Chantoin et al. (2001)](http://www.em-consulte.com/en/article/83079) | Self-report | Cognition, Behavior, Emotion  Yes | Dementia  (especially memory disorders) |
| Apathy Inventory (AI) [13] [Robert et al. (2002)](https://www.sciencedirect.com/science/article/pii/S0165178114004910#bib44) | Caregiver  Clinician | Cognition, Behavior, Emotion  Yes | Dementia |
| Dementia Apathy Interview and Rating (DAIR)  [14] [Strauss & Sperry (2002](https://www.ncbi.nlm.nih.gov/pubmed/12218710)) | Caregiver  Clinician | Behavior  No | Dementia |
| Key Behavior Change Inventory (KBCI)  [15] [Belanger et al. (2002)](https://www.ncbi.nlm.nih.gov/pubmed/12607138) | Caregiver | Cognition, Behavior, Emotion  No | Elderly memory disorder |
| Lille Apathy Rating Scale (LARS)  [16] [Sockeel et al. (2006)](http://jnnp.bmj.com/content/77/5/579?utm_source=TrendMD&utm_medium=cpc&utm_campaign=J_Neurol_Neurosurg_Psychiatry_TrendMD_1)  Lille Apathy Rating Scale short form (sfLARS)  [17] [Dujardin et al. (2013)](https://www.ncbi.nlm.nih.gov/pubmed/23836341) | Clinician | Cognition, Behavior, Emotion, Social Interaction  Yes | PD |
| [18] Informant based Lille apathy rating scale (LARS-i)  Dujardin et al. (2008) | Caregiver | Cognition, Behavior, Emotion, Social Interaction  Yes | PD |
| Neuropsychiatric Inventory NPI-C  [19] de [Medeiros et al (2010)](https://www.ncbi.nlm.nih.gov/pubmed/20594384) | Clinician | Behavior, Cognition, Emotion  No | Dementia |
| Abbreviated apathy evaluation  scale (AES-10)  [20] [Leontjevas et al. (2012)](https://www.ncbi.nlm.nih.gov/pubmed/21764646) | Caregiver | Cognition, Behavior, Emotion  Yes | Dementia |
| Apathy in institutionalized persons with dementia APADEM-NH  [21] [Aguera-Ortiz & al (2015)](https://www.sciencedirect.com/science/article/pii/S1064748113001371?via%253Dihub) | Caregiver | Cognition, Behavior, Emotion  Yes | Dementia |
| Dimensional Apathy Scale (DAS)  [22] [Radakovic et Abrahams (2017)](https://www.sciencedirect.com/science/article/pii/S0165178114004910#bib44f) | Self-report | Cognition, Behavior, Emotion,  Yes | Neurodegenerative diseases |
| Apathy motivation index  [23] [Ang et al. (2017](http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0169938)) | Self-report | Cognition, Behavior, Emotion, Social Interaction  Yes | Healthy adults |

\* Based on the following classification coming from the Apathy diagnostic criteria 2018: Behavior & Cognition; Emotion; Social interaction.

\*\* Yes = the scale is apathy specific. No = the scale assesses apathy as a subdomain.

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