

Appendix B

Quality assessment

Mixed methods appraisal tool, version 2018 (MMAT; Hong et al., 2018)

Screening Questions

- S1. Are there clear research questions?
- S2. Do the collected data allow to address the research questions?

1. Qualitative Studies

- Is the qualitative approach appropriate to answer the research question?
- Are the qualitative data collection methods adequate to address the research question?
- Are the findings adequately derived from the data?
- Is the interpretation of results sufficiently substantiated by data?
- Is there coherence between qualitative data sources, collection, analysis and interpretation?

2. Randomized Controlled Trials

- 2.1. Is randomization appropriately performed?
- 2.2. Are the groups comparable at baseline?
- 2.3. Are there complete outcome data?
- 2.4. Are outcome assessors blinded to the intervention provided?

- 2.5 Did the participants adhere to the assigned intervention?

3. Non-Randomised Studies: e.g. case-control studies, cohort-studies, cross sectional analytical studies

- 3.1. Are the participants representative of the target population?
- 3.2. Are measurements appropriate regarding both the outcome and intervention (or exposure)?
- 3.3. Are there complete outcome data?
- 3.4. Are the confounders accounted for in the design and analysis?
- 3.5. During the study period, is the intervention administered (or exposure occurred) as intended?

4. Quantitative Descriptive Studies: incidence and prevalence studies without comparison, surveys

- 4.1. Is the sampling strategy relevant to address the research question?
- 4.2. Is the sample representative of the target population?
- 4.3. Are the measurements appropriate?
- 4.4. Is the risk of nonresponse bias low?
- 4.5. Is the statistical analysis appropriate to answer the research question?

5. Mixed Method Studies

- 5.1. Is there an adequate rationale for using a mixed methods design to address the research question?
- 5.2. Are the different components of the study effectively integrated to answer the research question?
- 5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?

5	mixed	14/15; 93%	Au-Yeung, S. K., L. Bradley, A. E. Robertson, R. Shaw, S. Baron- Cohen and S. Cassidy	2019	y	y	y	y	y	y	y			y	y	y	n	y			y	y	y	y	y
6	qual	5/5; 100%	Babb, Brede, Jones, Elliott, Zanker, Tchanturia, Serpell, Mandy & Fox		y	y	y	y	y	y	y														
7	qual	5/5; 100%	Camm- Crosbie, L., L. Bradley, R. Shaw, S. Baron- Cohen and S. Cassidy	2019	y	y	y	y	y	y	y														
8	qual	5/5; 100%	Cheak- Zamora, Nancy C.: Teti, Michelle	2015	y	y	y	y	y	y	y														
9	qual	5/5, 100%	Coleman- Fountain, Buckley & Beresford	2020	y	y	y	y	y	y	y														
10	mixed	12/15; 80%	Cooper, K.: Loades, M. E.: Russell, A. J.	2018	y	y	y	y	y	y	y			y	n	y	y	y	n	n	y	y	y		
11	qual	5/5; 100%	Coxon, Sabrina	2016	y	y	y	y	y	y	y														
12	mixed	12/15; 80%	Crane, L., F. Adams, G. Harper, J. Welch and E. Pellicano	2019	y	y	y	y	y	y	y			y	n	y	n	y	y	n	y	y	y		

22	qual	5/5; 100%	Kinnaird, Oakley, Lawrence, Shergill & Tchanturia		y	y	y	y	y	y	y												
23	qual	5/5; 100%	Lake, Johanna K.: Milovanov, Alexander: Sawyer, Amanda: Lunsky, Yona	2015	y	y	y	y	y	y	y												
24	qual	5/5, 100%	Mack	2020	y	y	y	y	y	y	y												
25	qual	5/5; 100%	Maddox, B. B.: Crabbe, S.: Beidas, R. S.: Brookman- Frazee, L.: Cannuscio, C. C.: Miller, J. S.: Nicolaidis, C.: Mandell, D. S.	2019	y	y	y	y	y	y	y												
26	qual	5/5; 100%	Maloret, P. and T. Scott	2018	y	y	y	y	y	y	y												
27	mixed	6/15; 40%	McMorris, Carly A.: Baraskewich , Jessica: Ames, Megan A.: Shaikh, Komal T.: Ncube, Busisiwe L.: Bebko, James M.	2018	y	y	y	n	n	n	n			y	n	n	y	y	n	n	y	y	n

38	qual	5/5; 100%	Van Hees, V.: Moyson, T.: Roeyers, H.	2015	y	y	y	y	y	y	y
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