

Supplementary File 2: MMAT Bias Assessment

Reference (date)	Bias Screen 1 - Clear research questions	Bias screen 2 - collected data address research questions	STUDY TYPE	Bias 1: Sampling strategy relevant Participants representative of target population	Bias 2: Sample representative of target population Outcome/intervention measurements appropriate	Bias 3: Measurements appropriate Complete outcome data	Bias 4: Risk of non-response bias low Confounders accounted for	Bias 5: Statistical analysis appropriate to research questions Intervention administered as intended	Comments	
Barriere, et al. (2021)	YES	YES	Quant-descriptive	Yes	Yes	Yes	Yes	Yes		100%
Brodziak, et al. (2021)	YES	YES	Quant-descriptive	YES	Yes	YES	YES	YES		100%
Chan et al (2021)	YES	YES	Quant-descriptive	YES	Yes	YES	YES	YES		100%
Cherif et al (2021)	YES	YES	Quant-descriptive	yes	Cannot tell	YES	Cannot tell	Yes	single site recruitment strategy; Univariate analysis only	60%

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Chun et al (2021)	YES	YES	Quant-descriptive	YES	Yes	YES	YES	YES		100%
Conti et al (2021)	Can't tell	Can't tell	Quant-descriptive	YES	No	YES	Cannot tell	YES		60%
Di Noia et al. (2021)	Can't tell	Can't tell	Quant-descriptive	Yes	Cannot tell	YES	YES	YES	single site recruitment strategy	80%
Figureiredo et al. (2021)	No	Cannot tell	Quant-descriptive	Cannot tell	Cannot tell	Cannot tell	Cannot tell	Cannot tell	single site recruitment strategy; univariate only	0%
Kelkar et al (2021)	YES	YES	Quant-Non randomised	No	YES	YES	Cannot tell	YES		60%
Kufel-Grabowska et al (2021)	YES	YES	Quant-descriptive	Yes	Cannot tell	YES	Cannot tell	Yes	Univariate only	60%
Mejri et al (2021)	YES	Yes	Quant-descriptive	Yes	Cannot tell	Yes	Yes	Yes		80%
Mullaly et al (2021)	Cannot tell	Yes	Quant-descriptive	Yes	Yes	Yes	Yes	Yes	Single centre; Univariate only	100%

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Noronha et al (2021)	Yes	Yes	Quant-descriptive	Yes	Cannot tell	Yes	Yes	Yes	Single centre	80%
Roupa et al. (2021)	Yes	Yes	Quant-descriptive	Yes	No	Yes	YES	Yes	Univariate only	80%
Tsai et al. (2021)	Yes	Yes	Quant-descriptive	Yes	Yes	Yes	Yes	Yes		100%
Villarreal-Garza et al. (2021)	Yes	Yes	Quant-Non randomised	Yes	No	Yes	no	Yes		60%
Villarreal-Garza et al. (2021)	Yes	Yes	Quant-descriptive	Yes	Yes	Yes	Yes	Yes		100%
Waters et al. (2021)	Yes	Yes	Quant-descriptive	Yes	Cannot tell	Yes	Cannot tell	Yes		60%