

MMAT Assessment: Mixed-methods studies

Intervention Title/In-text Citation	Screening Questions		Mixed Methods										Study Score
	Are there research questions?	Do the collected data allow to address the research questions?	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?	Comment	5.2. Are the different components of the study effectively integrated to answer the research question?	Comment	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?	Comment	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?	Comment	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?	Comment	
A Culturally Sensitive Diabetes Peer Support for Older Mexican Americans. (Haltiwanger & Brutus, 2011)	Yes	Yes	Yes	Qual design was added to have insight about cultural issues of Mexican-American elderly that may affect the development of adherence behaviours.	Yes	See comment on 5.1	Yes	Qual analysis revealed Mexican-American attitudes and barriers that may have impacted willingness to change behaviour.	No	No thematic analysis for the control group. Possible inflated scores at the Quan pre-tests (sway of 21%).	No	Did not meet criteria 2.4 and 2.5	***
A demonstration of peer support for Ugandan adults with type 2 diabetes. (Baumann et al., 2014)	Yes	Yes	Yes	Qual design/interviews were collected 18 months later to assess the sustainability of the intervention.	Yes	See comment on 5.1	Yes	Qual analysis discussed the effects the intervention had on participants and practice within the clinic and highlight the barriers they are still struggling with. e.g., transport	Yes	No divergences explicitly reported or identified	Yes	All criteria were met	****
<b>The section below was used to appraise for quantitative methods used in the above studies.</b>													
Quasi-experimental design Appraisal tool	Are there research questions?	Do the collected data allow to address the research questions?	3.1. Are the participants representative of the target population?	Comment	3.2. Are measurements appropriate regarding both the outcome and intervention (or exposure)?	Comment	3.3. Are there complete outcome data?	Comment	3.4. Are the confounders accounted for in the design and analysis?	Comment	3.5. During the study period, is the intervention administered (or exposure occurred) as intended?	Comment	Study Score
Mixed (Haltiwanger & Brutus, 2011)	Yes	Yes	Yes	The study included Mexican-American adults over 60 with type 2 diabetes	Yes		Yes		Yes	Used Bonferroni correction for multiple comparisons	Yes		****

(Baumann et al., 2014)	Yes	Yes	Yes	All T2D patients	Yes	Yes	80% of the peer partners took part	Yes	No confounding factors reported or expected	Yes	****
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