

WHO guideline for non-surgical management of chronic primary low back pain in adults in primary and community care settings

Web Annex C: Evidence profile for the qualitative evidence synthesis

WHO guideline for non-surgical management of chronic primary low back pain in adults in primary and community care settings. Web Annex C. Evidence profile for the qualitative evidence synthesis.

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Evidence profile table for qualitative evidence synthesis, representing all 21 findings organized according to EtD domains. The findings 1-5 are general and relevant to all interventions. Subsequent findings are intervention-specific: findings 6-10 are relevant to medicines; 11-17 are relevant to physical interventions; 18-20 are relevant to psychological interventions and finding 21 is relevant to educational interventions.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
		FI	NDINGS RELEVANT ACROS	SS ALL INTERVENTION C	CLASSES		
1	Older people preferred treatments that were effective, credible, that they did not have concerns about and suited them as individuals (in terms of cost, access, sideeffects and experience). Most older people valued treatments that maximized daily function. Knowledge from past experiences could influence this decision.	Explanation: minor concerns regarding methodological limitations because of unclear reporting of sampling and reflexivity in some studies.	Explanation: moderate concerns regarding coherence owing to opaque data in some studies that needed interpretation to fit the finding.	Minor concerns Explanation: minor concerns regarding adequacy because of thin data from one study.	Minor concerns Explanation: minor concerns regarding relevance because of several studies where not all participants were aged over 60.	Low confidence Explanation: minor concerns regarding methodological limitations, moderate concerns regarding coherence, minor concerns regarding adequacy, and minor concerns regarding relevance.	Dima A et al. 2013; Hay ME & Connelly DM 2020; Igwesi-Chidobe CN et al. 2017; Igwesi-Chidobe CN et al. 2019; Kirby ER et al. 2014; Teh Carrie F et al. 2009;

EtD: Evidence-to-Decision

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
2	Older people valued treatments that reduced or relieved pain temporarily and/ or improved their function in the longer term. In some cases, older people valued treatments they found personally enjoyable, had a positive impact (e.g. on well-being), or were meaningful and involved social engagement. [values and preferences]	Explanation: minor concerns regarding methodological limitations because of poor reporting of sampling and reflexivity in some studies.	Explanation: minor concerns regarding coherence because of variation of examples and types of treatment across the studies.	No/very minor concerns	Explanation: minor concerns regarding relevance because of a few studies where not all participants were over 60.	Explanation: minor concerns regarding methodological limitations, minor concerns regarding coherence, no/very minor concerns regarding adequacy, and minor concerns regarding relevance.	Dima A et al. 2013; Hay ME & Connelly DM 2020; Igwesi- Chidobe CN et al. 2019; Igwesi- Chidobe CN et al. 2020; Kirby ER et al. 2014; Kuss K et al. 2016; Lee TL et al. 2020; Leonhardt Corinna et al. 2017; Lilje S C et al. 2017; Makris Una E et al. 2015; Rodriguez I et al. 2019; Stensland M 2021; Teh Carrie F et al. 2009.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
3	Older people generally emphasized that they valued individualized care and guidance across the different interventions, whether health practitioner- or peer-delivered. They valued care when it was person-centered. Supervision/ professional guidance allowed them to feel safe. There was a preference for a collaborative communication style.	Explanation: minor concerns regarding methodological limitations because of unclear reporting in some studies for sampling and data collection and unclear reporting across all studies for reflexivity.	Explanation: moderate concerns regarding coherence because participants are talking about a variety of treatments and treatment providers as well as self- initiated exercise as part of self- management.	No/very minor concerns	Explanation: minor concerns regarding relevance because not all participants are aged over 60 and all are community- dwelling.	Explanation: minor concerns regarding methodological limitations, moderate concerns regarding coherence, no/ very minor concerns regarding adequacy, and minor concerns regarding relevance.	Cooper K et al. 2017; Dima A et al. 2013; Hay ME & Connelly DM 2020; Igwesi-Chidobe CN et al. 2019; Igwesi-Chidobe CN et al. 2020; Kuss K et al. 2016; Lee TL et al. 2020; Lin I et al. 2014; Lyons Kevin J et al. 2013.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
4	Some older people viewed the burden related to the intervention (financial, time and travel) as a barrier to accessing care. High cost rendered treatment inaccessible or deterred older people from trying to adjust or continue with a recommended treatment. For others who had the financial means or were accessing publicly-funded health care, cost barriers were not discussed. [resource implications]	No/very minor concerns	No/very minor concerns	Explanation: minor concerns regarding adequacy because of thin data from one study.	Explanation: minor concerns regarding relevance because of some participants are under the age of 60.	Moderate confidence Explanation: no/very minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, minor concerns regarding adequacy, and minor concerns regarding arelevance.	Dima A et al. 2013; Igwesi- Chidobe CN et al. 2017; Lyons Kevin J et al. 2013; Stensland M 2021.

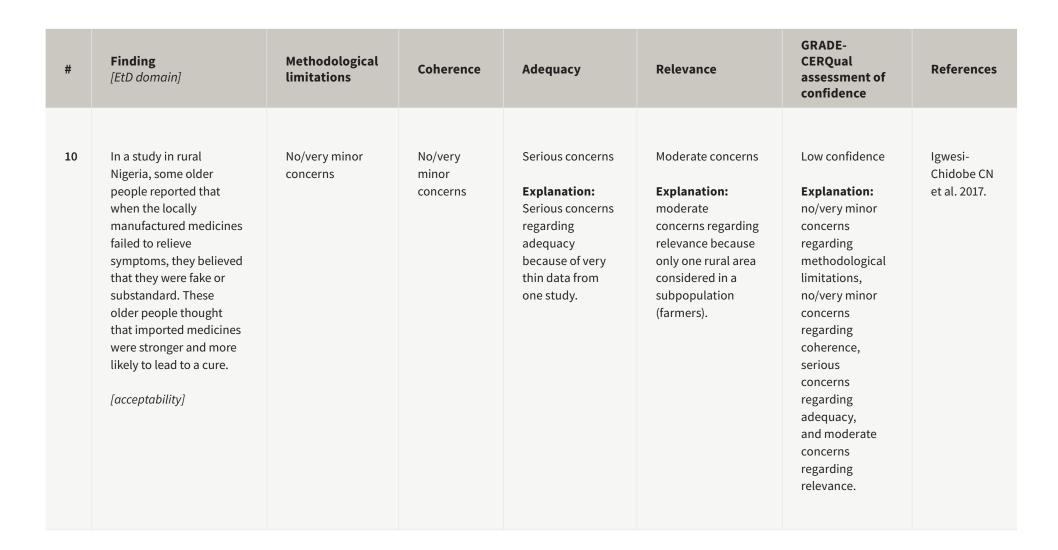
#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
5	Many older people preferred health workers who were located in close proximity to where they lived. For some, this was due to CPLBP limiting their ability to travel more than short distances. If services were located a considerable distance away, the services were perceived as insufficient or inaccessible, or the distance itself was seen as a barrier to care. However, some participants were willing to travel if a trusted or favoured health worker relocated, or they were exploring new treatment options. Others preferred to find a new practitioner close to where they lived. [resource implications]	No/Very minor concerns	Explanation: minor concerns regarding coherence because of diverse specificity of findings across the studies.	Explanation: minor concerns regarding adequacy because of thin data from some studies.	Explanation: minor concerns regarding relevance because in some studies participants are under the age of 60.	Explanation: no/very minor concerns regarding methodological limitations, minor concerns regarding coherence, minor concerns regarding adequacy, and minor concerns regarding relevance.	Allvin R et al. 2019; Dima A et al. 2013; Igwesi- Chidobe CN et al. 2017; Kirby ER et al. 2014; Lyons Kevin J et al. 2013; Stensland M 2021.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
				MEDICINES			
6	Many older people reported that medication was often the only intervention that made a difference to the severity of their pain. However, they were apprehensive of, or dissatisfied with, medication for several reasons, often viewing it as a quick fix, temporary relief or just masking the pain. Many participants were apprehensive of taking too many medications, sideeffects, addiction or did not like how the medications made them feel. Some avoided taking medications all together, did not present their prescriptions for dispensing or adjusted their treatment themselves because of this.	Explanation: minor concerns regarding methodological limitations because of lack of reporting around reflexivity. We feel that the researcher's position or role could have influenced how patients answered the question.	No/very minor concerns	No/very minor concerns	Explanation: moderate concerns regarding relevance because all except one study from USA. In two studies, some participants were under the age of 60 years.	Explanation: minor concerns regarding methodological limitations, no/ very minor concerns regarding coherence, no/very minor concerns regarding adequacy, and moderate concerns regarding relevance.	Cummings EC et al. 2017; Dima A et al. 2013; Lyons Kevin J et al. 2013; Makris Una E et al. 2015; Stensland M 2021; Teh Carrie F et al. 2009.

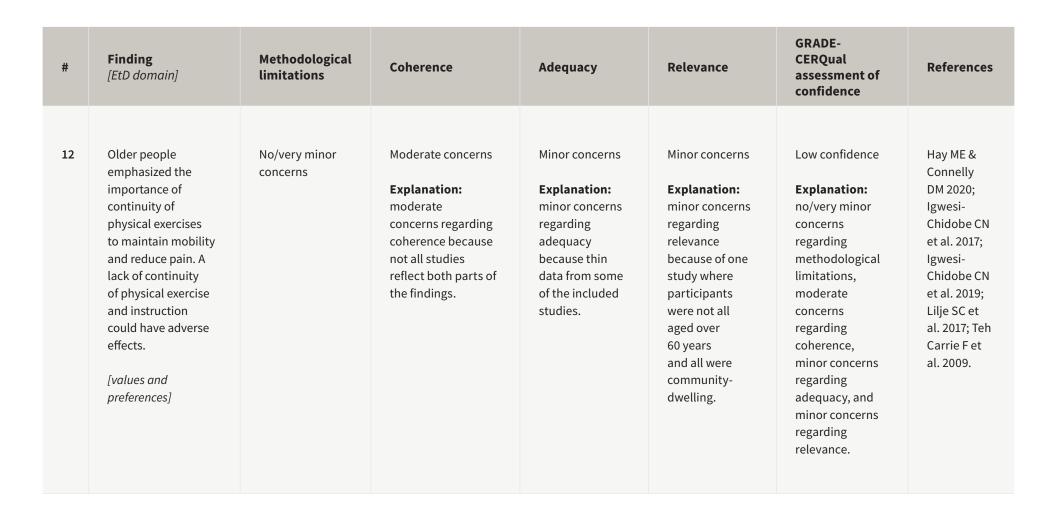
#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
7	Some older people adopted alternative forms of treatment, including traditional or herbal medicines, as a part of their self-management approach when conventional treatments failed to provide relief from their chronic LBP. Some viewed this as experimenting to find a solution. Often older people did not inform their health care provider about taking this type of treatment. [values and preferences]	No/very minor concerns	No/very minor concerns	Explanation: serious concerns regarding adequacy because of thin data from two studies.	Explanation: serious concerns regarding (global) relevance because of studies from two different contexts (United States of America, Nigeria) and several participants in one study were under the age of 60 years.	Explanation: no/very minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, serious concerns regarding adequacy, and serious concerns regarding relevance.	Igwesi- Chidobe CN et al. 2017; Teh Carrie F et al. 2009.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
8	In one study conducted in rural Nigeria, older people considered medicines as a legitimate form of treatment (a cultural norm where disease was treated and "cured" with medication) and depended on medicines to be able to perform daily tasks. Other treatments were looked down on or stigmatized, such as exercise. Some older people took medication only to comply with this cultural norm. However, there was a constant struggle to be able to afford the medicines on which they depended to function normally. [resource implications]	No/very minor concerns	No/very minor concerns	Serious concerns Explanation: Serious concerns regarding adequacy because of thin data from one study.	Explanation: moderate concerns regarding relevance since there was only one study available with participants sampled from one rural area in Nigeria, representing a subpopulation from a broader Nigerian population.	Explanation: no/very minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, serious concerns regarding adequacy, and moderate concerns regarding relevance.	Igwesi- Chidobe CN et al. 2017.

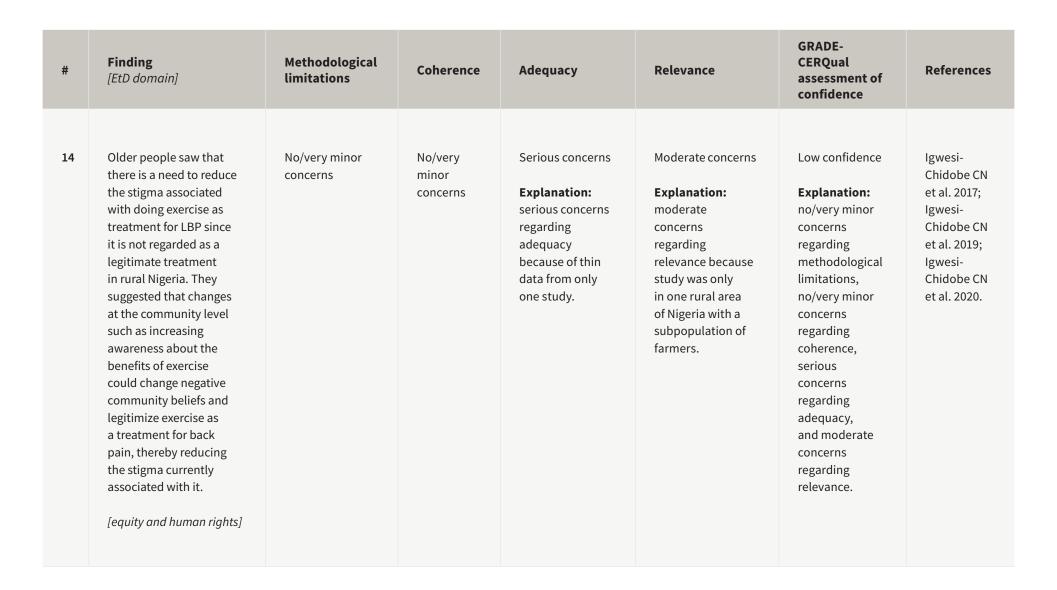
#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
9	Many older people expressed fear of addiction to medication, especially to opioids. This led them to not present prescriptions for dispensing, adjust the dosage or stop taking the medication often without consulting their health worker. In one case, the fear of addiction stemmed from the health care worker who refused to provide the prescription requested.	Explanation: minor concerns regarding methodological limitations because of lack of reporting of reflexivity.	No/very minor concerns	Explanation: minor concerns regarding adequacy because of some thin data, although addressing a very specific topic.	Explanation: moderate concerns regarding relevance because all but one study from the USA and one study had some participants under the age of 60.	Explanation: minor concerns regarding methodological limitations, no/ very minor concerns regarding coherence, minor concerns regarding adequacy, and moderate concerns regarding relevance.	Dima A et al. 2013; Lyons Kevin J et al. 2013; Makris Una E et al. 2015; Stensland M 2021; Teh Carrie F et al. 2009.



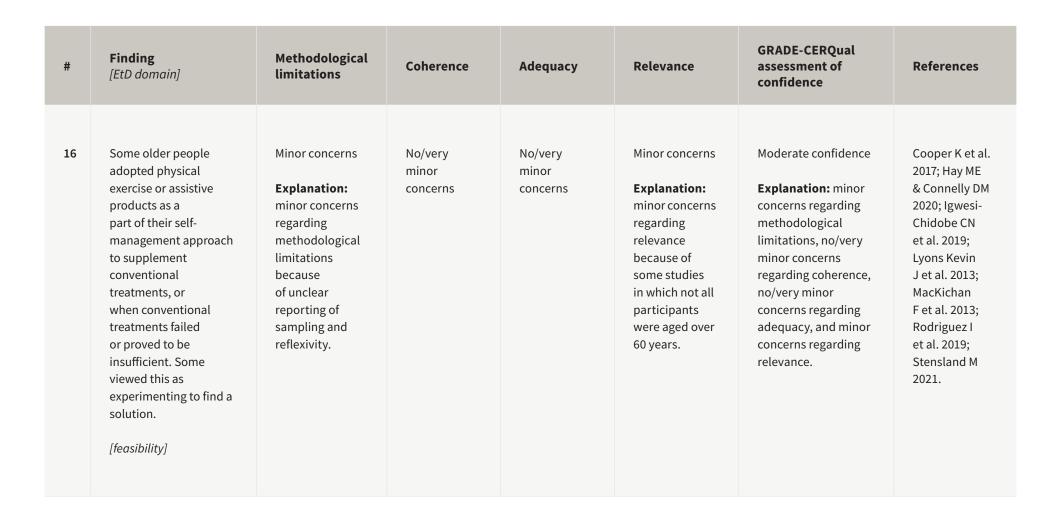
#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
			PHYS	ICAL INTERVENTIONS			
11	Needling therapies were valued as effective by the few participants who talked about it. However, it was viewed as providing temporary relief and being expensive. [values and preferences]	No/very minor concerns	No/very minor concerns	Explanation: serious concerns regarding adequacy because of thin data from a limited number of studies.	Explanation: Serious concerns regarding relevance owing to exclusively high-income contexts and some participants under the age of 60 years.	Explanation: no/very minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, serious concerns regarding adequacy, and serious concerns regarding regarding relevance.	Dima A et al. 2013; Stensland M 2021.



#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
13	Older people also valued educational materials to accompany exercise programmes, such as drawings and descriptions of the exercises. [values and preferences]	Explanation: minor concerns regarding methodological limitations because of unclear reporting of sampling in a few studies and unclear reporting of reflexivity across all studies.	No/very minor concerns	Explanation: serious concerns regarding adequacy because of thin data and small number of studies.	Explanation: serious concerns regarding relevance because of studies from only two countries and one study where not all participants were aged over 60 years.	Explanation: minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, serious concerns regarding adequacy, and serious concerns regarding relevance.	Dima A et al. 2013; Igwesi- Chidobe CN et al. 2019; Igwesi- Chidobe CN et al. 2020; Kuss K et al. 2016; Leonhardt Corinna et al. 2017.



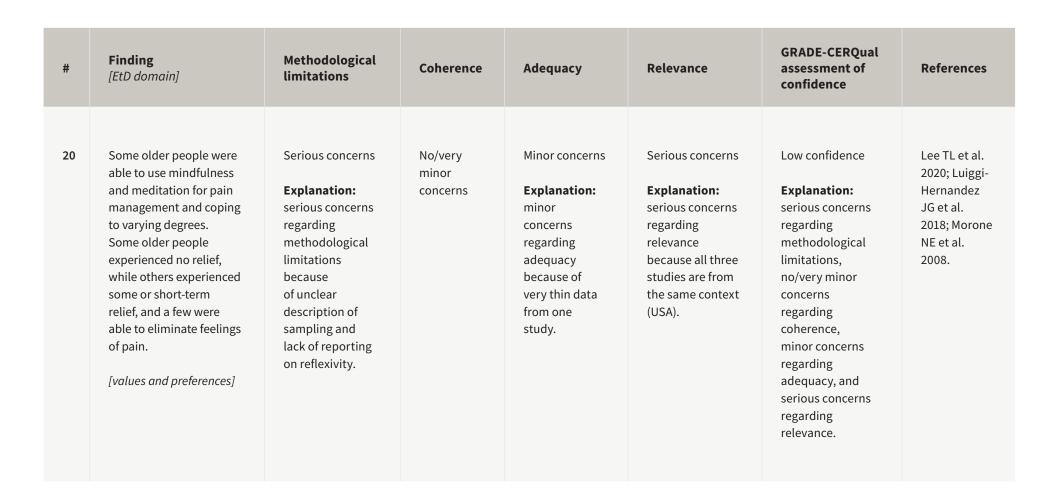
#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
15	Many older people liked a group format for physical exercise classes as this facilitated social support, collaborative learning and social activities, all of which encouraged increased attendance. [acceptability]	Minor concerns Explanation: minor concerns regarding methodological limitations because of poor reporting of sampling and reflexivity in some studies.	Minor concerns Explanation: minor concerns regarding coherence because of one participant whose opinion opposed the finding.	Minor concerns Explanation: minor concerns regarding adequacy because of thin data from two studies.	Minor concerns Explanation: minor concerns regarding relevance because of the age of participants in one study and because all participants were community- dwelling adults.	Explanation: minor concerns regarding methodological limitations, minor concerns regarding coherence, minor concerns regarding adequacy, and minor concerns regarding relevance.	Hay ME & Connelly DM 2020; Igwesi- Chidobe CN et al. 2019; Kuss K et al. 2016; Lee TL et al. 2020.



#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
17	Older people requested shorter sessions of physical exercises on specific days to fit in with their daily schedule. [feasibility]	No/very minor concerns	Moderate concerns Explanation: moderate concerns regarding coherence because of vague data.	Explanation: serious concerns regarding adequacy because of thin data from a small number of studies.	Explanation: serious concerns regarding relevance because of studies from a limited number of settings and two of three studies in which not all participants were aged over 60 years.	Very low confidence Explanation: no/very minor concerns regarding methodological limitations, moderate concerns regarding coherence, serious concerns regarding adequacy, and serious concerns regarding relevance.	Dima A et al. 2013; Hay ME & Connelly DM 2020; Igwesi- Chidobe CN et al. 2019; Igwesi- Chidobe CN et al. 2020.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
			PSYCHOLO	OGICAL INTERVENTIONS			
18	Mindfulness and meditation allowed some older people to increase their body awareness in relation to, for example, breathing, posture, cognition and pain. In some cases, this allowed for early recognition of pain. [values and preferences]	Explanation: minor concerns regarding methodological limitations due to unclear reporting of sampling and lack of evidence of reflexivity.	No/very minor concerns	Explanation: serious concerns regarding adequacy because of relatively thin data from two studies and very thin data from one study.	Explanation: serious concerns regarding relevance because all three studies are from the same context (USA), were conducted as part of trials and all subjects were community- dwelling adults.	Very low confidence Explanation: minor concerns regarding methodological limitations, no/very minor concerns regarding coherence, serious concerns regarding adequacy, and serious concerns regarding relevance.	Lee TL et al. 2020; Luiggi- Hernandez JG et al. 2018; Morone NE et al. 2008.

#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE-CERQual assessment of confidence	References
19	Mindfulness and meditation allowed older people to examine, assess, understand and accept their pain rather than avoid it. For some people, this lessened the significance or power of the pain experience, allowed them to gain a sense of control over their lives and increase their ability to relax and respond to stress, with improved sleep, attention, well-being and general quality of life. [values and preferences]	Explanation: moderate concerns regarding methodological limitations because of unclear reporting of sampling and lack of reporting of reflexivity.	No/very minor concerns	Explanation: minor concerns regarding adequacy because of thin data from one study.	Explanation: serious concerns regarding relevance because all three studies are from the same context.	Explanation: moderate concerns regarding methodological limitations, no/very minor concerns regarding coherence, minor concerns regarding adequacy, and serious concerns regarding relevance.	Lee TL et al. 2020; Luiggi- Hernandez JG et al. 2018; Morone NE et al. 2008.



#	Finding [EtD domain]	Methodological limitations	Coherence	Adequacy	Relevance	GRADE- CERQual assessment of confidence	References
			EDUCATIO	ON INTERVENTIONS			
21	Older people broadly had positive views of peer support although they found it was difficult to access and did not know of support groups in their area. Empathy and "being believed" through common experience were the most important attributes in a peer supporter. Older people considered it would be helpful to share information and receive or exchange support and advice.	Explanation: moderate concerns regarding methodological limitations because of lack of reporting of sampling, context and reflexivity in some studies.	Explanation: minor concerns regarding coherence because of the indirect nature of some of the data that needed to be interpreted.	Explanation: minor concerns regarding adequacy because of thinner data from some studies.	Explanation: moderate concerns regarding relevance because of the studies being limited to HIC contexts and several studies in which not all participants were aged over 60 years.	Explanation: moderate concerns regarding methodological limitations, minor concerns regarding coherence, minor concerns regarding adequacy, and moderate concerns regarding relevance.	Cooper K et al. 2017; Cummings EC et al. 2017; Hay ME & Connelly DM 2020; MacKichan F et al. 2013; Teh Carrie F et al. 2009.

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Ageing and Health Unit, Department of Maternal, Newborn, Child and Adolescent Health and Ageing World Health Organization

20 Avenue, Appia 1211, Geneva 27, Switzerland Website: www.who.int

