1 ***Appendix S3: Summary of Review Findings with GRADE CERQual Assessment***

Summary of review finding	Studies contributing to review findings	Methodological limitations	Coherence	Adequacy	Relevance	CERQual Assessment	Explanation of assessment
Pre-transition: ALHIV's experience prior to being transferred to adult HIV care (transition readiness and self-efficacy)	Abaka and Nutor (2021), Pinzón-Iregui et al. (2017), Zanoni et al. (2021), Masese et al. (2019), Agambire et al. (2022) & Ashaba et al. (2023)	Minor methodological limitations: 3 studies with no or very minor and 3 studies with minor methodological limitations (consideration of the relationship between	No or very minor concerns: The finding details the complexity and variation of the data, and the studies describe the varied experience of	No or very minor concerns: 6 studies contributed to this finding, and the finding was relatively simple and descriptive.	No or very minor concerns: The studies are relevant to the context described in the research question.	High confidence	This finding was graded as high confidence however had minor concerns regarding methodological limitations.

		researcher and participant unclear)	transition readiness and experience of self-efficacy of the participants.				
Transition: Factors impacting ALHIV's experience during the transition	All studies	Minor methodological limitations: 3 studies with no or very minor and 4 studies with minor methodological limitations (consideration of the relationship between	No or very minor concerns: The finding reflects the variation and complexity of the data, and the factors impacting the transition process were	No or very minor concerns: All studies contributed to this finding, based on the richness and quantity of the data, we have concluded that this finding	No or very minor concerns: The studies are relevant to the context described in the research question, however, one study (Katusiime et	Moderate confidence	This finding was graded as moderate confidence due to minor concerns regarding methodological limitations and very minor concerns about relevance.

		researcher and participant unclear)	supported by all studies.	had no concerns about adequacy.	al., 2013) included young adults in their sample.		
Post-transition: Experiences of ALHIV after they transitioned to adult care	Abaka and Nutor (2021), Katusiime et al. (2013), Ashaba et al. (2023)	Minor methodological limitations: One study with no, and two studies with minor methodological limitations (consideration of the relationship between researcher and	No or very minor concerns: The data were varied, and the studies support and reflect the variation of the data.	Moderate concerns: Only 3 studies contributed to this finding, which raised concerns, however, based on the richness of the data, we concluded that it has	No or very minor concerns: The studies are relevant to the context described in the research question, however, one study (Katusiime et al., 2013)	Moderate confidence	This finding was graded moderate confidence because of minor methodological limitations and moderate concerns about adequacy and very minor

		participant unclear)		moderate concerns about adequacy.	included young adults in their sample.		concerns about relevance.
Individual barriers: Psychological barriers impeding a successful transition	All studies	Minor methodological limitations: 3 studies with no or very minor and 4 studies with minor methodological limitations (consideration of the relationship between researcher and	No or very minor concerns: The finding reflects the variation and complexity of the data, and the psychological barriers affecting the transition process were	No or very minor concerns: All studies contributed to this finding and based on the richness and quantity of the data; we have concluded that this finding had no	No or very minor concerns: The studies are relevant to the context described in the research question, however, one study (Katusiime et al., 2013) included	Moderate confidence	This finding was graded moderate confidence because of minor methodological limitations and very minor concerns about relevance.

		participant unclear)	supported by all studies.	concerns about adequacy.	young adults in their sample.		
Supportive environment: Experiences of support (psychosocial and clinical)	Abaka and Nutor (2021), Pinzón-Iregui et al. (2017), Zanoni et al. (2021), Masese et al. (2019), Agambire et al. (2022) & Ashaba et al. (2023)	Minor methodological limitations: 3 studies with no or very minor and 3 studies with minor methodological limitations (consideration of the relationship between researcher and participant unclear)	No or very minor concerns: The finding details the complexity and variation of the data, and the studies describe the varied experiences of support the participants experienced.	Minor concerns: Six studies contributed to this finding, however, based on the assessment of the richness of the data, we concluded that it has minor concerns about adequacy.	No or very minor concerns: The studies are relevant to the context described in the research question.	Moderate confidence	This finding was graded moderate confidence because of minor methodological limitations and minor concerns about adequacy.

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