

Supplementary File 4: Risk of bias, detailed table

Leraut et al., 2022 [13]	Mouarbes et al., 2022 [12]	Singleton et al., 2022 [11]	Giraud et al., 2022 [10]	Rouvière et al., 2022 [9]		
Yes	Yes	Yes	Yes	Yes	P1. Are there clear research questions?	PRELIMINARY QUESTIONS
Yes	Yes	Yes	Yes	Yes	P2. Do the data collected answer the research questions?	
	Yes			Yes	Are the participants representative of the target population?	NON-RANDOMISED QUANTITATIVE STUDIES
	Yes			Yes	Are the measurements appropriate regarding both the outcome and intervention (or exposure)?	
	Yes			Yes	Are the data on effects (outcomes) complete?	
	Yes			Yes	Are the confounders accounted for in the design and analysis?	
	Yes			Yes	During the study period did the intervention (or did the exposure) take place as planned?	DESCRIPTIVE QUANTITATIVE STUDIES
					Is the sampling strategy relevant to address the research question?	
					Is the sample representative of the target population?	
					Are the measurements appropriate?	
					Is the risk of non-response bias low?	
					Is the statistical analysis appropriate to answer the research question?	STUDIES WITH MIXED METHODS
Yes		Yes	Yes		Is there an adequate rationale for using a mixed methods design to address the research question?	
Yes		Yes	Yes		Are the different components of the study effectively integrated to answer the research question?	
Yes		Can' t tell	Yes		Are the outputs of the integration of qualitative and quantitative components adequately interpreted?	
Can' t tell		Can' t tell	Can' t tell		Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?	
Yes		Yes	Yes		Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?	

Supplemental material

Eur J Hosp Pharm

Pitard M, et al. *Integration of qualitative and quantitative components adequately interpreted?* 2024;15. doi: 10.1136/ejpharm-2024-004098

Tsang et al., 2019 [18]	Alhomoud, 2020 [17]	Gidey et al., 2020 [16]	Barbariol et al., 2021 [15]	Mohammed et al., 2021 [14]		
Yes	Yes	Yes	Yes	Yes	P1. Are there clear research questions?	PRELIMINARY QUESTIONS
Yes	Yes	Yes	Yes	Yes	P2. Do the data collected answer the research questions?	
Yes			Yes		Are the participants representative of the target population?	NON-RANDOMISED QUANTITATIVE STUDIES
Yes			Yes		Are the measurements appropriate regarding both the outcome and intervention (or exposure)?	
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Yes			Yes		Are the confounders accounted for in the design and analysis?	
Yes			Yes		During the study period did the intervention (or did the exposure) take place as planned?	
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	Yes	Yes		Yes	Is the sample representative of the target population?	
	Yes	Yes		Yes	Are the measurements appropriate?	
	Can' t tell	Can' t tell		Can' t tell	Is the risk of non-response bias low?	
	Yes	Yes		Yes	Is the statistical analysis appropriate to answer the research question?	
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					Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?	

Al-Shareef et al., 2016 [23]	Furukawa et al., 2016 [22]	Abbasi et al., 2017 [21]	Bekker et al., 2018 [20]	Lin et al., 2018 [19]		
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Yes	Yes	Yes	Yes	Yes	P2. Do the data collected answer the research questions?	
	Yes	Yes		Yes	Are the participants representative of the target population?	NON-RANDOMISED QUANTITATIVE STUDIES
	Yes	Yes		Yes	Are the measurements appropriate regarding both the outcome and intervention (or exposure)?	
	Can' t tell	Can' t tell		Yes	Are the data on effects (outcomes) complete?	
	Can' t tell	Yes		Can' t tell	Are the confounders accounted for in the design and analysis?	
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			Yes		Is there an adequate rationale for using a mixed methods design to address the research question?	STUDIES WITH MIXED METHODS
			Yes		Are the different components of the study effectively integrated to answer the research question?	
			Can' t tell	Pitard M, et al. Eur J Hosp Pharm 2025; 33(4): 495-501	Are the outputs of the integration of qualitative and quantitative components adequately interpreted?	
			Can' t tell		Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?	
			Yes		Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?	

Toerper et al., 2014 [25]	Mosquera et al., 2014 [24]		
Yes	Yes	P1. Are there clear research questions?	PRELIMINARY QUESTIONS
Yes	Yes	P2. Do the data collected answer the research questions?	
Yes	Yes	Are the participants representative of the target population?	NON-RANDOMISED QUANTITATIVE STUDIES
Yes	Yes	Are the measurements appropriate regarding both the outcome and intervention (or exposure)?	
Yes	Can' t tell	Are the data on effects (outcomes) complete?	
No	Can' t tell	Are the confounders accounted for in the design and analysis?	
Yes	Yes	During the study period did the intervention (or did the exposure) take place as planned?	
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		Is the sample representative of the target population?	
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		Are the different components of the study effectively integrated to answer the research question?	
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Pitard M, et al. Eur J Hosp Pharm. 2025;33(4):405-411. doi: 10.1136/ejhp-2024-004098