

Table 2 Loney criteria quality scores for 75 studies from the WHO Eastern Mediterranean Region and Türkiye conducted during 1999–2021

Study	Country	Loney criterion ^a								Total quality score
		1	2	3	4	5	6	7	8	
Abbas et al. 2010	Egypt	1	1	1	0	0	0	1	1	5
Abdellah et al. 2017	Egypt	0	0	0	0	0	1	1	1	3
Abou-ElWafa et al. 2015	Egypt	1	1	0	1	0	1	1	1	6
Abualrub et al. 2007	Iraq	0	0	0	1	0	1	0	1	4
Abualrub et al. 2014	Jordan	0	0	1	1	0	1	0	1	4
Acik et al. 2008	Türkiye	1	1	1	1	0	1	1	1	7
Adib et al. 2002	Kuwait	1	1	1	1	0	1	0	1	6
Ahmed, 2012	Jordan	1	0	1	1	1	1	0	0	5
Akbolat et al. 2021	Türkiye	1	1	0	1	1	1	0	1	6
Al Anazi et al. 2020	Saudi Arabia	1	1	0	0	1	1	1	1	6
Alameddine et al. 2011	Lebanon	1	1	0	1	1	1	1	1	7
Alameddine et al. 2015	Lebanon	1	0	1	0	1	0	0	1	4
AlBashtawy et al. 2013	Jordan	0	0	1	1	0	0	0	1	3
AlBashtawy, 2013	Jordan	0	1	0	1	0	0	1	1	4
Algwaiz et al. 2012	Saudi Arabia	1	1	1	1	0	0	1	1	6
Alhamad et al. 2021	Jordan	1	1	1	0	1	0	0	0	4
Alharbi et al. 2021	Saudi Arabia	0	1	1	1	0	1	0	1	5
Al-Omari et al. 2015	Jordan	1	1	1	1	1	1	0	0	6
Al-Omari et al. 2019	Jordan	0	0	0	1	1	0	0	0	2
Alqahtani et al. 2020	Saudi Arabia	0	0	0	1	1	1	1	1	5
Alsalem et al. 2018	Saudi Arabia	1	0	1	1	1	1	1	1	7
Al-Shaban et al. 2021	Saudi Arabia	0	1	0	1	1	1	1	1	6
Alshahrani et al. 2021	Saudi Arabia	1	1	1	0	1	1	0	1	6
Alshamlan et al. 2017	Saudi Arabia	1	1	1	1	0	1	1	1	7
Alsmael et al. 2020	Saudi Arabia	1	1	1	0	1	0	1	1	6
Arafa et al. 2022	Egypt	0	0	0	1	0	0	1	1	3
Atawneh et al. 2003	Kuwait	1	1	0	1	0	1	1	0	5
Ayranci et al. 2005	Türkiye	0	0	0	1	1	1	1	1	5
Ayranci et al. 2006	Türkiye	1	1	1	1	0	1	1	1	7
Baig et al. 2018	Pakistan	0	0	1	1	0	1	1	1	5
Baykan et al. 2015	Türkiye	1	0	1	1	1	1	1	1	7
Bayram et al. 2017	Türkiye	1	1	1	1	1	1	1	1	8
Belayachi et al. 2010	Morocco	1	0	0	1	0	0	1	0	3
Boz et al. 2006	Türkiye	0	0	0	1	0	0	0	0	1
Cevik et al. 2020	Türkiye	0	0	1	0	0	1	0	0	2
Coskun, 2019	Türkiye	0	0	0	1	0	0	1	1	3
Darawad et al. 2015	Jordan	0	0	0	1	0	0	1	1	3
Demirci et al. 2020	Türkiye	1	1	1	1	0	1	1	1	7
Emam et al. 2018	Iran, IR	1	0	0	1	0	1	1	1	5
Erdur et al. 2015	Türkiye	1	1	0	0	0	1	1	1	5
Esmailpour et al. 2011	Iran, IR	0	0	0	1	1	1	0	0	3
Fallahi-Khoshknab et al. 2015	Iran, IR	1	1	1	1	0	1	1	1	7
Fallahi-Khoshknab et al. 2016	Iran, IR	1	0	1	0	1	1	1	1	6
Ghareeb et al. 2021	Jordan	1	1	1	1	0	1	0	1	6
Gunaydin et al. 2012	Türkiye	1	1	1	1	0	0	0	1	5
Hamdan et al. 2015	Palestine	1	1	1	1	1	1	1	1	8
Hamzaoglu et al. 2019	Türkiye	0	1	1	0	0	1	1	1	5

Table 2 Loney criteria quality scores for 75 studies from the WHO Eastern Mediterranean Region and Türkiye conducted during 1999–2021 (concluded)

Study	Country	Loney criterion ^a								Total quality score
		1	2	3	4	5	6	7	8	
Harthi et al. 2020	Saudi Arabia	0	0	0	1	0	1	1	1	4
Honarvar et al. 2019	Iran, IR	1	1	1	1	0	1	1	1	7
Jafree, 2017	Pakistan	1	1	0	1	0	0	1	1	5
Jaradat et al. 2018	Palestine	0	0	0	0	0	1	1	1	3
Khademloo et al. 2013	Iran, IR	1	0	0	1	1	1	0	0	4
Khan et al. 2021	Pakistan	1	1	1	1	1	0	1	1	7
Kisa et al. 2008	Türkiye	1	1	0	1	0	1	0	1	5
Kitaneh et al. 2012	Palestine	1	1	0	1	1	1	1	1	7
Lafta et al. 2019	Iraq	1	1	1	1	1	1	1	1	8
Mirza et al. 2012	Pakistan	1	0	1	1	1	1	1	1	7
Mohamad et al. 2021	Syrian Arab Republic	0	0	1	1	0	1	1	1	5
Oztok et al. 2018	Türkiye	1	0	1	1	1	0	0	1	5
Oztunc, 2006	Türkiye	1	1	0	1	0	0	0	1	4
Pinar et al. 2017	Türkiye	1	1	1	1	0	1	1	1	7
Picakcife et al. 2012	Türkiye	1	1	0	1	0	1	1	1	6
Rafeea et al. 2017	Bahrain	0	1	0	0	1	1	1	1	5
Rahmani et al. 2012	Iran, IR	1	1	0	1	1	0	0	0	4
Sadrabad et al. 2019	Iran, IR	1	1	0	1	1	1	0	0	5
Samir et al. 2012	Egypt	1	1	1	1	1	1	0	0	6
Sani et al. 2020	Iran, IR	0	1	0	0	0	1	0	1	3
Shaikh et al. 2020	Pakistan	1	1	1	0	1	1	1	1	7
Shoghi et al. 2008	Iran, IR	0	1	1	0	1	1	1	1	6
Teymourzadeh et al. 2014	Iran, IR	1	1	0	1	0	1	1	1	6
Towhari et al. 2020	Saudi Arabia	0	1	0	0	1	1	0	1	4
Turki et al. 2016	Saudi Arabia	1	1	0	0	1	1	1	1	6
Uzun, 2003	Türkiye	0	1	1	0	1	0	0	0	3
Unsal Atan et al. 2013	Türkiye	1	1	1	1	1	0	0	0	5
Zafar et al. 2016	Pakistan	1	1	0	1	0	1	1	1	6

^a1: Random sample or whole population; 2: Unbiased sampling frame; 3: Adequated sample size (≥ 355); 4: Measures were standard; 5: Outcomes measured by unbiased assessors; 6: Adequated response rate (≥ 70); 7: Confidence intervals, subgroup analysis; 8: Study subject defined.