Table 1 Characteristics of studies reporting the prevalence of myopia among school-age children in the Eastern Mediterranean Region

First author and year of study	Country	Age group (yr)	Age, mean (SD)	Sample size	Cycloplegia	Refraction assessment	Prevalence of myopia (%)	Quality assessment score
Chebil 2016 (19)	Tunisia	6–14	10.1 (1.8)	6192	Yes	Objective	3.71	9
Yamamah 2015 (20)	Egypt	6–17	10.7 (3.1)	2070	yes	Objective	3.1	10
Alrasheed 2016 (21)	Sudan	6–15	10.8 (2.8)	1678	Yes	Objective	6.8	10
Abdi 2020 (22)	Somalia	6–15	11.2 (2.5)	1204	No	Objective	9.1	10
Al Wadaani 2013 (23)	Saudi Arabia	6–15	9.4 (2.3)	2002	YES	Objective	9.0	10
Aldebasi 2014 (24)	Saudi Arabia	6–13	9.5 (1.8)	5176	Yes	Objective	5.8	10
Yekta 2010 (25)	Islamic Republic of Iran	7–15	10.9 (2.3)	1872	Yes	Objective	4.4	9
Ullah 2020(26)	Pakistan	5–12	8.1 (2.3)	2288	No	Objective	2.3	8
Rezvan 2012 (27)	Islamic Republic of Iran	6–17	11.2 (2.4)	1551	Yes	Objective	4.3	9
Mohamed 2017(28)	Sudan	5–15	12.41 (1.9)	822	No	Objective	1.7	8
Jamali 2009(29)	Islamic Republic of Iran	6	–	902	Yes	Objective	1.7	9
Hameed 2016 (30)	Pakistan	5–15	–	1644	No	Objective	3.4	8
Fotouhi 2007 (31)	Islamic Republic of Iran	7–15	–	5544	Yes	Objective	3.4	10
Elmajri 2017 (32)	Libya	7–11	9.5 (1.5)	920	Yes	Objective	1.7	7
Alrahili 2017 (33)	Saudi Arabia	5–10	–	1017	No	Objective	1.1	9
Alghamdi 2020 (34)	Saudi Arabia	6–13	9.2 (1.9)	417	No	Objective	7.7	10
Gilal 2022 (35)	Pakistan	6–15		400	Yes	Objective	7.8	8
Bataineh 2008(36)	Jordan	12–71	13.2 (2.1)	1647	Yes	Objective	15.5	8
Ostadi 2008 (37)	Islamic Republic of Iran	6–17	11.2 (2.6)	2132	No	Objective	2.4	9
Al–Rowaily 2010 (38)	Saudi Arabia	5–8	–	1319	No	Objective	2.5	9
Fotouhi 2011 (39)	Islamic Republic of Iran	8–14	10.7 (2.3)	2957	Yes	Objective	0.4	10
Hashemi 2016 (40)	Islamic Republic of Iran	7	–	4072	Yes	Objective	3.04	8
Hashemi 2018 (41)	Islamic Republic of Iran	5–15	10.0 (3.2)	602	yes	Objective	2.6	10
Hussam 2018 (42)	Iraq	6–8	6.1 (0.34)	735	YES	Objective	19.6	8
Kandi 2021(43)	United Arab Emirates	6–10	–	733	Yes	Objective	5.2	9
Al Nuaimi 2010 (44)	Qatar	5–15	–	670	No	Objective	7.4	8
Anera 2009 (45)	Morocco	6–16	–	545	Yes	Objective	6.1	9
All			10.52 (1.63)	51111			5.23	

SD = standard deviation.