

Table 1 Characteristics of studies on survival of breast cancer in the Eastern Mediterranean Region included in the meta-analysis

First author (reference no.)	Year	Country	Time span	Sex	Mean (SD) age	Sample size	Median follow-up (months)	Survival rate			
								1-year	3-year	5-year	10-year
Abdollahi A (45)	2017	Iran	2004–2011	Female	54.8 (11.4)	1329	4	0.96	0.78	0.66	–
Al-Moundhri M (46)	2004	Oman	1996–2002	Female	48.5 (10.8)	150	35.6	–	–	0.67	–
Abahssain H (24)	2010	Morocco	2003–2007	Female	32	427	32.2	–	0.81	–	–
Abdelkrim SB (47)	2015	Tunisia	1993–2013	Female	23.7	25	NR	–	0.95	0.85	0.75
Aghili M (48)	2013	Iran	2007–2002	Female	9.6 (50.4)	107	38.24	–	–	0.83	–
Ahmed SB (49)	2002	Tunisia	1998–1990	Female	50	729	NR	–	–	0.51	–
Akbari ME (50)	2011	Iran	2002–2010	Female	49.8	258	144	–	–	0.88	0.81
Akbari ME (51)	2008	Iran	1994–2007	Female	53.24 (12.41)	435	50.5	–	–	0.81	0.77
Akbari ME (52)	2006	Iran	1996–1998	Female	48 (11.5)	154	60	–	–	0.77	–
Al-Idrissi HY (53)	1992	Saudi Arabia	1981–1990	Female	40	130	46	–	–	0.76	–
Alaoui SK (54)	2016	Morocco	2007–1998	Male	61	140	91.1	–	–	0.68	–
Amirifard N (41)	2016	Iran	2016–2010	Male	49.2 (17.0)	17	30	–	–	0.64	–
Arkoob K (52)	2010	Jordan	1979–1989	Female	50.2 (12.4)	838	60	0.92	0.70	0.59	–
Aziz Z (55)	2008	Pakistan	2005–1996	Female	45	525	100	–	–	0.72	0.61
Babai Gh (56)	2005	Iran	1993–1991	Female	NR	176	NR	0.94	0.76	0.61	–
Babai Gh (56)	2005	Iran	1993–1991	Male	NR	10	NR	0.90	0.70	0.58	–
Baghestani A (57)	2015	Iran	1998–2013	Female	48.13 (10.7)	366	120	0.93	0.75	0.52	–
Baghestani A (57)	2015	Iran	1992–2012	Female	48.37 (10.9)	438	253	0.98	–	–	–
Bakkach J (58)	2017	Morocco	2015–2010	Female	36	82	27.4	–	–	0.89	–
Ben Gobrane H (59)	2007	Tunisia	2003–1994	Female	49.7	470	51.9	–	–	0.61	–
Bhatti AB (60)	2014	Pakistan	2009–1997	Female	43.2	443	49	–	–	0.83	–
Bhatti AB (61)	2015	Pakistan	2009–1997	Female	42	902	51	–	–	–	0.70
Bouzid N (62)	2013	Tunisia	2007–1995	Female	31.3	124	48.5	–	–	0.68	–
Derkaoui T (63)	2016	Morocco	2015–2010	Female	46	279	NR	–	–	0.71	–
Dhiab TB (64)	2005	Tunisia	1999–1979	Male	26	123	65	–	–	0.62	–
El Amine Elhadj O (65)	2017	Tunisia	2013–2004	Female	46.8	30	65	–	0.49	0.34	–
El Mistiri M (66)	2015	Libya	2003–2005	Female	NR	365	NR	–	–	0.56	–
El-Baradie M (67)	2012	Egypt	1999–2009	Male	58	123	38	–	–	0.62	–
El-Beshbeshi W (68)	2012	Egypt	2002–2009	Male	57.7	37	9	–	–	0.61	–
El-Habbash MM (69)	2009	Libya	2008–1990	Male	61	22	NR	–	–	0.57	–
Elshafiey M (70)	2011	Egypt	2000–2002	Male	59	32	58	–	0.78	0.65	0.57
Fakhro AE (71)	1999	Bahrain	1982–1994	Female	50.1	93	NR	–	–	0.64	0.36
Fallahzadeh H (72)	2014	Iran	2002–2007	Female	48.2 (11.7)	200	60	0.95	0.82	0.7	–
Faradmal J (73)	2016	Iran	2000–2011	Female	47.02 (10.7)	522	54.13	0.90	0.73	0.62	–
Fardmal J (74)	2014	Iran	2004–2011	Female	46.06 (10.82)	542	NR	0.97	0.58	0.68	0.31
Fayaz MS (75)	2014	Kuwait	2009–1999	Female	11.7 (48.0)	363	41.9	–	0.83	0.81	–
Fazeli Z (76)	2014	Iran	2007–2011	Female	50.28 (13.6)	400	NR	0.98	0.92	0.87	–
Haghighat Sh (77)	2013	Iran	1997–2006	Female	46.3 (11.05)	623	86.3	–	–	0.87	–
Hajhosseini M (78)	2015	Iran	1995–2013	Female	47.1 (10.7)	529	NR	–	–	0.68	–
Hamadeh RR (79)	2014	Bahrain	2000–2010	Female	50.9	1005	NR	0.84	–	0.63	0.49
Hamdan NA (80)	2011	Saudi Arabia	1994–1996	Female	NR	298	57	0.95	0.80	0.61	–
Heydari ST (81)	2009	Iran	2001–2006	Female	46.5 (11.7)	877	NR	0.97	–	0.67	0.45
Hoseini M (82)	2017	Iran	2015–2001	Female	47.1	140	NR	–	–	0.80	0.65
Ibrahim EM (83)	1998	Saudi Arabia	1985–1995	Female	42 (10.5)	292	62 (8.9)	–	–	–	0.55
Iqbal J (84)	2010	Pakistan	1997–2006	Female	45	200	90	–	–	0.52	0.31
Jamy O (85)	2015	Pakistan	1986–2009	Male	52	19	NR	–	–	0.61	–
Kallel M (86)	2015	Tunisia	2002–2008	Female	31.7	83	75	–	–	0.67	–
Karimi A (87)	2016	Iran	2006–2014	Female	46.1 (10.81)	229	81	0.96	–	0.75	–
Khanfir A (88)	2006	Tunisia	2002–1995	Female	31.5	72	NR	–	–	0.57	–
Kumar S (89)	2016	Pakistan	2008–1999	Female	48	845	29	–	–	0.75	–
Kumar SH (90)	2011	Oman	2003–2008	Female	47.1 (12.88)	119	54	–	–	0.78	–
Mechita NB (91)	2016	Morocco	2008–2005	Female	51.1 (11.2)	628	NR	0.97	0.89	0.81	–
Moghadami Fard Z (92)	2012	Iran	2005–2007	Female	51.3 (11.2)	133	63	–	–	0.72	–
El Mongy M (93)	2010	Egypt	2003–1993	Female	9.74 (7.14)	1009	68	–	0.96	0.91	–
Mosavi-Najeni M (94)	2009	Iran	1997–2005	Female	49.6 (11.2)	242	NR	1	0.94	0.89	–
Mousavi SM (95)	2008	Iran	2001–1998	Female	12.5 (51.3)	2358	60	–	–	0.50	–
Movahedi M (96)	2012	Iran	2001–2006	Female	49.84 (12.36)	5975	88.2	–	–	0.72	–
Movahedi M (96)	2012	Iran	2001–2006	Male	49.84 (12.36)	172	88.2	–	–	0.6	–
Payandeh M (97)	2015	Iran	2001–2014	Female	49.6 (12.6)	950	NR	–	0.82	0.72	0.64
Raeisi Shahraki H (98)	2015	Iran	1989–2008	Male	59.6 (12.8)	50	140	–	0.92	0.77	0.26
Rais G (99)	2012	Morocco	2008–2007	Female	46	152	46	–	–	0.76	–
Rajaefard AR (100)	2009	Iran	1994–2003	Female	NR	310	60	0.97	0.82	0.7	0.53
Rampisheh Z (101)	2014	Iran	2001–2013	Female	51.26 (13.87)	300	65	0.95	0.78	0.68	–
Ravichandran K (102)	2005	Saudi Arabia	1994–1996	Female	48.3 (14.5)	316	55.2	0.94	0.79	0.60	–
Rezaianzadeh A (103)	2009	Iran	2000–2005	Female	47	1148	34	–	0.76	0.58	–
Salehi A (104)	2011	Iran	1989–2008	Male	60.3 (12.7)	56	60	–	0.83	0.66	0.45
Sedehi M (105)	2013	Iran	2002–2007	Female	NR	159	NR	0.83	0.67	0.51	–
Shawky H (106)	2013	Egypt	2000–2010	Male	52.8	29	53	–	–	0.71	–
Soliman AA (107)	2014	Egypt	2000–2007	Male	58	69	NR	–	–	0.46	–
Vahdaninia M (108)	2003	Iran	1997	Female	47.2 (13.5)	128	60	0.93	0.75	0.62	–
Vostakolaei FA (109)	2012	Iran	1999–2001	Female	46 (12)	1500	60	–	–	0.72	–
Yaghmaei S (110)	2008	Iran	1991–2002	Female	51.5 (14.0)	50	NR	0.87	0.62	0.58	0.47
Zanti K (111)	2014	Morocco	2009–2004	Female	30.62	74	NR	–	0.88	–	–
Zare N (112)	2012	Iran	2005–2001	Female	47	1148	34	–	–	0.56	–
Ziaei JE (113)	2013	Iran	1997–2008	Female	48	271	120	0.96	0.86	0.81	0.76

SD = standard deviation.