

TABLE 3

CONSANGUINEOUS MARRIAGE IN ASIA

Region/country	Location/ community	Collection period	Study population	Sample size	Consanguinity (%)	Consanguinity types	Coefficient of inbreeding (α)	Reference
East Asia								
China								
<i>Han</i>	Beijing, urban	1949/67	Household survey	2,370	0.7%	1C,1 ^{1/2} C,D2C, 2C	0.0003	Du <i>et al.</i> (1981)
	Beijing, suburban	1949/67	Household survey	1,409	1.1	1C,1 ^{1/2} C,D2C, 2C	0.0005	Du <i>et al.</i> (1981)
	Beijing, rural	1949/67	Household survey	1,572	1.1	1C,1 ^{1/2} C,D2C,	0.0003	Du <i>et al.</i> (1981)
	Shanghai, urban	-	-	3,127	0.8	1C,1 ^{1/2} C,2C	0.0006	Wu (1987)
	Hubei, urban	1949/67	Household survey	500	1.2	1C,1 ^{1/2} C,D2C, 2C	0.0007	Du <i>et al.</i> (1981)
	Hubei, rural	1949/67	Household survey	1,874	2.8	1C,1 ^{1/2} C,D2C 2C	0.0015	Du <i>et al.</i> (1981)
	Hubei, rural	-	-	14,427	4.3	1C,1 ^{1/2} C,2C	0.0026	Wu (1987)

	Sichuan, Shifang	1987	Household survey	526	6.8%	1C	0.0043	Wang (pers. comm.)
	Sichuan, rural	-	-	168	4.8	1C,1 ^{1/2} C,2C	0.0023	Wu (1987)
	Heilongjiang	-	-	5,313	1.2	1C,1 ^{1/2} C,2C	0.0006	Wu (1987)
	Yunnan, rural	-	-	553	4.7	1C,1 ^{1/2} C,2C	-	Wu (1987)
	Xinjiang	-	-	1,535	1.7	1C,1 ^{1/2} C,2C	0.0008	Wu (1987)
	Guizhou, rural	-	-	518	5.7	1C,1 ^{1/2} C,2C	0.0034	Wu (1987)
	Zejiang, mountain	1981/91	Household survey	11,199	3.0	1C,1 ^{1/2} C,2C	0.0017	Zhan <i>et al.</i> (1992)
	Zejiang, plateau	1981/91	Household survey	15,762	1.1	UN,1C,1 ^{1/2} C,2C	0.0006	Zhan <i>et al.</i> (1992)
	Zejiang	1981/91	Household survey	17,381	2.5	1C,1 ^{1/2} C,2C	0.0014	Zhan <i>et al.</i> (1992)
	All-Hong Kong	1961/64	Obstetric inpatients	9,749	1.8	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
<i>Kazakh</i>	Xinjiang	1951/76	Household survey	1,079	2.9	D1C,1C,2C	0.0011	Ai <i>et al.</i> (1985)
<i>Uygur</i>	Xinjiang	1951/76	Household survey	2,553	8.2	D1C,1C,2C	0.0047	Ai <i>et al.</i> (1985)
<i>Kirgiz</i>	Xinjiang	-	-	2,863	45.2	D1C,1C,1 ^{1/2} C,2C	0.0274	Wu (1987)
<i>Tajik</i>	Xinjiang	-	-	1,325	42.8	D1C,1C,1 ^{1/2} C,2C	0.0246	Wu (1987)

<i>Uzbek</i>	Xinjiang	-	-	159	23.3%	1C,1 ^{1/2} C,2C	0.0011	Wu (1987)
<i>Huizu</i>	Xinjiang	1951/76	Household survey	1,079	2.9	UN,1C,2C	0.0011	Ai <i>et al.</i> (1985)
	Gansu	-	-	1,376	9.7	1C,1 ^{1/2} C,2C	0.0049	Wu (1987)
	Guangdong	-	-	614	3.9	1C,1 ^{1/2} C,2C	0.0012	Wu (1987)
	Guizhou	-	-	555	11.2	1C,1 ^{1/2} C,2C	0.0065	Wu (1987)
<i>Tibetan</i>	Xi Zhang	1949/67	Household survey	697	0	-	0	Du <i>et al.</i> (1981)
<i>Korean</i>	Ji Lin	1949/67	Household survey	2,080	0	-	0	Du <i>et al.</i> (1981)
<i>Lizu</i>	Guangdong/ Hainan	1949/67	Household survey	1,310	1.5	1C,1 ^{1/2} C,D2C,	0.0005	Du <i>et al.</i> (1981)
	Sichuan, urban	-	-	354	58.2	1C,1 ^{1/2} C,2C	0.0431	Wu (1987)
	Sichuan, rural	-	-	326	32.2	1C,1 ^{1/2} C,2C	0.0112	Wu (1987)
<i>Yizu</i>	Sichuan	1949/67	Household survey	2,054	14.6	1C,1 ^{1/2} C,D2C,	0.0091	Du <i>et al.</i> (1981)
	Guizhou	-	-	512	12.7	1C,1 ^{1/2} C,2C	0.0067	Wu (1987)
<i>Dongxiang</i>	Gansu	1949/67	Household survey	2,092	4.3	1C,1 ^{1/2} C,D2C,	0.0023	Du <i>et al.</i> (1981)
<i>Bo'an</i>	Gansu	1949/67	Household survey	772	10.9	1C,1 ^{1/2} C,D2C, 2C	0.0058	Du <i>et al.</i> (1981)

<i>Ewenki</i>	Nei Meng Gu	1949/67	Household Survey	626	3.4%	1C,1 ^{1/2} C,2C,	0.0012	Du <i>et al.</i> (1981)
<i>Orogen</i>	Nei Meng Gu/ Hei Lung Jiang	1949/67	Household survey	183	1.6	1 ^{1/2} C	0.0003	Du <i>et al.</i> (1981)
<i>Miaozu</i>	Guangdong/ Hainan	1949/67	Household survey	330	0.9	1C,1 ^{1/2} C	0.0004	Du <i>et al.</i> (1981)
<i>Xibe</i>	Xinjiang	1951/76	Household survey	1,222	4.7	1C,2C	0.0025	Ai <i>et al.</i> (1985)
<i>Mongolian</i>	Xinjiang	1951/76	Household survey	446	0.5	1C	0.0003	Ai <i>et al.</i> (1985)
<i>Daizu</i>	Yunnan	-	-	94	21.3	1C,1 ^{1/2} C,2C	-	Wu (1987)
<i>Hizhen</i>	Heilongjiang	-	-	60	18.3	1C,1 ^{1/2} C,2C	0.0098	Wu (1987)
<i>Hani</i>	Yunnan	-	-	449	12.5	1C,1 ^{1/2} C,2C	-	Wu (1987)
<i>Mong</i>	-	1992	Household survey	525	27.4	UN,1C,1 ^{1/2} C,	0.0150	Yang <i>et al.</i> (1994)
<i>Man</i>	Laioning	1998	Household survey	418	3.1	1C,1 ^{1/2} C,2C	0.0012	Wang <i>et al.</i> (2002)
Japan	Fukushima	-	Household survey	3,659	15.5%	1C,1 ^{1/2} C,2C	0.0067	Watanabe (1956)
	Hiroshima	1948/53	Obstetric outpatients	27,934	5.9	1C,1 ^{1/2} C,2C	0.0027	Schull (1958)
	Nagasaki	1948/53	Obstetric Outpatients	33,319	8.0	1C,1 ^{1/2} C,2C	0.0037	Schull (1958)

Kure	1948/53	Obstetric outpatients	8,211	7.0%	1C,1 ^{1/2} C,2C	0.0032	Schull (1958)
Hirado	1964/65	Civil registration	10,457	14.7	1C,1 ^{1/2} C,2C	0.0061	Schull <i>et al.</i> (1970)
Fukuoka	1962/65	Household survey/civil registration	45,230	7.6	D1C,1C,1 ^{1/2} C, 2C	0.0029	Yamaguchi <i>et al.</i> (1970)
Shizuoka	1958/60	Household survey	6,161	8.1	1C,1 ^{1/2} C,2C	0.0036	Komai & Tanaka (1972)
All-Japan	1972	Household Survey	9,385	5.7	1C,1 ^{1/2} C,2C	0.0018	Imaizumi <i>et al.</i> (1975)
Tokyo	1975/76	Paediatric outpatients	2,383	1.2	1C,1 ^{1/2} C,2C	0.0006	Tanaka <i>et al.</i> (1978)
Tokyo	1961	School survey	4,153	4.6	1C,1 ^{1/2} C,2C	0.0021	Furusho (1979)
Yokohama	1961	School survey	2,713	5.3	1C,1 ^{1/2} C,2C	0.0026	Furusho (1979)
Tokyo & Osaka	1981	Workplace survey/ optician outpatients	983	0.4	1C,1 ^{1/2} C,2C	0.0001	Hosoda <i>et al.</i> (1983)
All-Japan	1983	Household survey	9,225	3.9	1C,1 ^{1/2} C,2C	0.0013	Imaizumi (1986)

Southeast Asia

Cambodia	Siem Reap	2004	Hospital in-/outpatient	300	12.3%	1C,2C	0.0035	Sullivan pers. comm.
Indonesia	West Timor & West Flores, Roman Catholic	1990	Household survey	970	17.8%	1C,1 ^{1/2} C,2C	0.0095	Glinka (1994)
Malaysia	Kuala Lumpur	1961/64	Obstetric inpatients	15,658	7.6%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
Philippines	Manila	1961/64	Obstetric inpatients	29,143	0.4%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
Singapore	All-Singapore	1961/64	Obstetric inpatients	39,333	5.0%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	Chinese	1980	Marriage registration	16,698	0.3	1C	0.0002	Tay (1982)
	Indian	1980	Marriage registration	989	4.0	UN,1C	0.0028	Tay (1982)

South Asia

Afghanistan	Nangarhar & Kunard provinces	1995	Household survey	168	55.4%	1C,1 ^{1/2} C,2C	0.0332	Wahab <i>et al.</i> (2006)	
	<i>Pashtun</i>	2010	Household survey	2,133	43.1	D1C,1C,1 ^{1/2} C,2C	0.0296	Saify & Saadat (2012)	
	<i>Hazara</i>	2010	Household survey	1,081	46.7	D1C,1C,1 ^{1/2} C,2C	0.0293	Saify & Saadat (2012)	
	<i>Tajik (Soni)</i>	2010	Household survey	2,293	37.8	D1C,1C,1 ^{1/2} C,2C	0.0250	Saify & Saadat (2012)	
	<i>Tajik (Shia)</i>	2010	Household survey	470	43.4	D1C,1C,1 ^{1/2} C,2C	0.0263	Saify & Saadat (2012)	
	<i>Uzbek</i>	2010	Household survey	828	43.7	D1C,1C,1 ^{1/2} C,2C	0.0286	Saify & Saadat (2012)	
	<i>Turkmen</i>	2010	Household survey	335	47.8	D1C,1C,1 ^{1/2} C,2C	0.0297	Saify & Saadat (2012)	
	All-Afghan	2010	Household survey	7,140	42.3	D1C,1C,1 ^{1/2} C,2C	0.0277	Saify & Saadat (2012)	
	West and South provinces								
	<i>Pashtun</i>	2011/12	Household survey	1,369	50.2	D1C,1C,1 ^{1/2} C,2C	0.0223	Saadat & Tajbakhsh (2013)	
<i>Hazara</i>	2011/12	Household survey	1,427	53.4	D1C,1C,1 ^{1/2} C,2C	0.0217	Saadat & Tajbakhsh (2013)		
<i>Tajik (Soni)</i>	2011/12	Household survey	1,097	50.8	D1C,1C,1 ^{1/2} C,2C	0.0210	Saadat & Tajbakhsh (2013)		

	<i>Tajik (Shia)</i>	2011/12	Household survey	546	49.3%	D1C,1C,1 ^{1/2} C,2C	0.0252	Saadat & Tajbakhsh (2013)
	<i>Turkmen</i>	2011/12	Household survey	496	63.5	D1C,1C,1 ^{1/2} C,2C	0.0224	Saadat & Tajbakhsh (2013)
	<i>Sadat</i>	2011/12	Household survey	265	50.6	D1C,1C,1 ^{1/2} C,2C	0.0218	Saadat & Tajbakhsh (2013)
	All West & South	2011/12	Household survey	5,200	52.3	D1C,1C,1 ^{1/2} C,2C	0.0219	Saadat & Tajbakhsh (2013)
Bangladesh	Matlab	1966/-	Household survey	8,000	6.7%	1C,2C	0.0015	Khan <i>et al.</i> (unpublished)
	Teknaf	1976/-	Household survey	4,266	17.6	1C,2C	0.0101	Khan <i>et al.</i> (unpublished)
India								
East	Calcutta	1961/64	Obstetric inpatients	19,111	0.5%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	West Bengal, Muslim	1969/71	Household survey	835	22.2	1C,2C	0.0135	Huq (1976)
	Bihar, Muslim, suburban	-	Household survey	7,209	24.0	1C	0.0150	Afzal (1988)
	Bihar, Muslim, rural	-	Household survey	4,524	39.9	1C	0.0249	Afzal (1988)
	Bihar, All-Muslim	-	Household survey	476	13.9	1C,2C	0.0076	Ansari & Sinha (1978)

	All-East India, Muslim	1992/93	Household survey	2,622	15.8%	UN,1C,2C	0.0097	Bittles & Hussain (2000)
Central	Madhya Pradesh, Hindu	-	-	1,145	8.6%	UN,1C,2C	0.0033	Goswami (1970)
	Madhya Pradesh, Scheduled tribes & castes	-	-	147	28.6	UN,1C,2C	0.0145	Goswami (1970)
	Madhya Pradesh, Muslim	-	-	451	46.1	UN,1C,2C	0.0215	Goswami (1970)
	Madhya Pradesh, Christians	-	-	72	25.0	UN,1C,2C	0.0098	Goswami (1970)
	All-Central India, Muslim	1992/93	Household survey	1,819	27.3	UN,1C,2C	0.0168	Bittles & Hussain (2000)
North	Delhi, Sunni Muslim	-	Household survey	1,483	24.4%	1C,1 ^{1/2} C,2C	0.0100	Basu (1975)
	Lucknow, Shia Muslim	-	Household survey	1,000	43.4	1C,1 ^{1/2} C,2C	0.0202	Basu (1975)
	Udaipur, Shia Muslim	-	Household survey	957	41.1	1C,1 ^{1/2} C,2C	0.0218	Basu (1978)
	Delhi, Sunni Muslim	-	Household survey	502	36.5	1C,1 ^{1/2} C,2C	0.0180	Krishan (1986)
	Lucknow, Hindu	1981/84	Obstetric inpatients	7,955	0.1	UN,1C	0.0001	Agarwal <i>et al.</i> (1991)

	Lucknow, Muslim	1981/84	Obstetric inpatients	1,276	17.2%	UN,1C,2C	0.0095	Agarwal <i>et al.</i> (1991)
	All-North India, Muslim	1992/93	Household survey	1,166	23.0	UN,1C,2C	0.0130	Bittles & Hussain (2000)
	Ladakh, <i>Balti</i> , Shia Muslim	-	Household survey	208	18.8	UN,1C,2C	0.0111	Bhasin & Nag (2002)
	Ladakh, <i>Brokpa</i> , Sunni Muslim	-	Household survey	54	14.8	1C,2C	0.0075	Bhasin & Nag (2002)
	Ladakh, <i>Arghuns</i> , Sunni Muslim	-	Household survey	151	21.8	UN,1C,2C	0.0140	Bhasin & Nag (2002)
South	Andhra Pradesh	1959/-	Hospital inpatients	2,177	30.6%	UN,AN,1C,1 ^{1/2} C, 2C	0.0195	Dronamraju & Meera Khan (1963)
	Andhra Pradesh	1957/58	Household survey	6,945	42.5	UN,1C	0.0324	Sanghvi (1966)
	Andhra Pradesh, <i>Vedde</i>	1982	Household survey	2,078	32.4	UN,1C,1 ^{1/2} C,2C	0.0185	Reddy (1992)
	Karnataka, Hindu	1980/89	Obstetric inpatients	86,448	33.5	UN,1C,2C	0.0333	Bittles <i>et al.</i> (1991)
	Karnataka, Muslim	1980/89	Obstetric inpatients	17,019	23.7	UN,1C,2C	0.0160	Bittles <i>et al.</i> (1991)
	Karnataka, Christian	1980/89	Obstetric inpatients	4,038	18.6	UN,1C,2C	0.0173	Bittles <i>et al.</i> (1991)
	All-Karnataka	1980/89	Obstetric inpatients	107,518	31.4	UN,1C,2C	0.0299	Bittles <i>et al.</i> (1991)

Belgaum, Hindu	-	Household survey	462	31.2%	UN,1C	0.0273	Nath <i>et al.</i> (2004)
Kerala	1966	Hospital inpatients	889	20.7	1C,2C	0.0118	Kumar <i>et al.</i> (1967)
Kerala	-	-	1,631	13.0	1C,1 ^{1/2} C,2C	0.0075	Ali (1968)
Tamil Nadu	1968/69	Household survey	31,390	30.0	UN,1C,1 ^{1/2} C,2C	0.0231	Rao <i>et al.</i> (1971)
Tamil Nadu, rural	1969/74	Household survey	11,628	46.3	UN,AN,1C,1 ^{1/2} C	0.0367	Rao & Inbaraj (1977)
Tamil Nadu, urban	1969/74	Household survey	8,998	28.6	UN,1C,1 ^{1/2} C,2C	0.0203	Rao & Inbaraj (1977)
Tamil Nadu, <i>Brahmin</i>	1971/72	Household survey	486	17.3	UN,1C,1 ^{1/2} C,2C	0.0124	Srinivasan & Mukherjee (1976)
Pondicherry	1971/72	Household survey	1,494	55.1	UN,1C,<1C	0.0449	Puri <i>et al.</i> (1978)
All-South India, Muslim	1992/93	Household survey	1,912	19.4	UN,1C,2C	0.0111	Bittles & Hussain (2000)
Karnataka, Mangalore, Hindu	-	Household survey	417	4.1	1C,2C	0.0018	Bhagya <i>et al.</i> (2012)
Karnataka, Mangalore, Muslim	-	Household survey	376	11.2	1C,2C	0.0042	Bhagya <i>et al.</i> (2012)
Karnataka, Mangalore, Christian	-	Household survey	371	1.1	1C	0.0007	Bhagya <i>et al.</i> (2012)

	Tamil Nadu, Madurai, rural	2014/15	Household survey	750	39.2%	UN,1C,1 ^{1/2} C,2C	0.0264	Saleem <i>et al.</i> (2016)
West	Bombay, Hindu	-	-	3,520	7.7%	1C,1 ^{1/2} C,2C	0.0039	Sanghvi <i>et al.</i> (1956)
	Bombay, Muslim	-	-	1,436	21.8	1C,1 ^{1/2} C,2C	0.0095	Sanghvi <i>et al.</i> (1956)
	Bombay, Christian	-	-	1,063	3.4	1C,1 ^{1/2} C,2C	0.0012	Sanghvi <i>et al.</i> (1956)
	Bombay, Parsi	-	-	578	18.0	1C,1 ^{1/2} C,2C	0.0096	Sanghvi <i>et al.</i> (1956)
	Bombay, Parsi	1961/72	Obstetric inpatients	2,348	7.4	1C,1 ^{1/2} C,2C	0.0036	Undevia & Balakrishnan (1978)
	Bombay	1961/64	Obstetric inpatients	39,155	9.8	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	Maharashtra	1971/73	Household survey	5,282	26.4	UN,1C	0.0175	Malhotra (1979)
	All-West India, Muslim	1992/93	Household survey	917	33.0	UN,1C,2C	0.0201	Bittles & Hussain (2000)
	Nagpur, Hindu	-	Household survey	548	15.9	UN/AN,1C,2C	0.0100	Sonkar <i>et al.</i> (2013)
	Nagpur, Muslim	-	Household survey	101	23.8	1C,2C	0.0144	Sonkar <i>et al.</i> (2013)
Nagpur, Buddhist	-	Household survey	51	7.8	1C	0.0049	Sonkar <i>et al.</i> (2013)	

Iran	Shiraz	1972/75	Obstetric inpatients	9,526	24.5%	1C,2C	0.0128	Naderi (1979)
	Rural, <i>Azeri</i>	-	-	440	31.8	1C,2C	0.0071	Farhud <i>et al.</i> (1991)
	Rural, <i>Kurdish</i>	-	-	550	38.0	1C,2C	0.0157	Farhud <i>et al.</i> (1991)
	Rural, Others	-	-	3,688	50.0	1C,2C	0.0234	Farhud <i>et al.</i> (1991)
	Tribal, <i>Turkmen</i>	-	-	647	18.4	1C,2C	0.0077	Farhud <i>et al.</i> (1991)
	Tribal, <i>Qashqai</i>	-	-	189	73.5	1C,2C	0.0392	Farhud <i>et al.</i> (1991)
	Muslim	-	-	756	24.3	1C,2C	0.0117	Farhud <i>et al.</i> (1991)
	Zoroastrian	-	-	600	17.0	1C,2C	0.0109	Farhud <i>et al.</i> (1991)
	Armenian	-	-	107	2.8	1C,2C	0.0018	Farhud <i>et al.</i> (1991)
	Assyrian	-	-	162	9.3	1C,2C	0.0020	Farhud <i>et al.</i> (1991)
	Jewish	-	-	449	25.4	UN,1C,2C	0.0134	Farhud <i>et al.</i> (1991)
	Persian, Shi'a	2001	Household survey	169,310	30.0	D1C,1C,2C	0.0170	Saadat <i>et al.</i> (2004)
	Persian, Sunni	2001	Household survey	5,435	52.1	D1C,1C,2C	0.0289	Saadat <i>et al.</i> (2004)
	Kurdish, Shi'a	2001	Household survey	17,005	35.9	D1C,1C,2C	0.0208	Saadat <i>et al.</i> (2004)
Kurdish, Sunni	2001	Household survey	14,017	40.1	D1C,1C,2C	0.0235	Saadat <i>et al.</i> (2004)	

<i>Azari</i>	2001	Household survey	60,161	31.6%	D1C,1C,2C	0.0184	Saadat <i>et al.</i> (2004)
<i>Lur</i>	2001	Household survey	22,545	31.1	D1C,1C,2C	0.0182	Saadat <i>et al.</i> (2004)
<i>Baluchi</i>	2001	Household survey	4,484	50.0	D1C,1C,2C	0.0294	Saadat <i>et al.</i> (2004)
<i>Turkaman</i>	2001	Household survey	1,911	37.6	D1C,1C,2C	0.0218	Saadat <i>et al.</i> (2004)
<i>Arab</i>	2001	Household survey	4,238	44.3	D1C,1C,2C	0.0239	Saadat <i>et al.</i> (2004)
<i>Bakhtiari</i>	2001	Household survey	4,772	36.5	D1C,1C,2C	0.0203	Saadat <i>et al.</i> (2004)
<i>Zaboli</i>	2001	Household survey	1,193	37.0	D1C,1C,2C	0.0209	Saadat <i>et al.</i> (2004)
<i>Ghashghai</i>	2001	Household survey	1,272	40.3	D1C,1C,2C	0.0223	Saadat <i>et al.</i> (2004)
Yazd	-	Newborn survey	1,195	25.1	D1C,1C,1 ^{1/2} C	0.0165	Tayebi <i>et al.</i> (2010)
<i>Georgian</i>	-	Household survey	644	22.0	1C,1 ^{1/2} C,2C	0.0103	Rafiee & Saadat (2011)
Gilan	2005	Household survey	1,598	20.9	1C,2C	0.0082	Hosseini-Chavoshi <i>et al.</i> (2014)
Isfahan	2005	Household survey	1,494	44.2	1C,2C	0.0177	Hosseini-Chavoshi <i>et al.</i> (2014)

	Yazd	2005	Household survey	1,505	50.2%	1C,2C	0.0208	Hosseini-Chavoshi <i>et al.</i> (2014)
	Tehran	2005	Household survey	918	34.0	1C,2C	0.0121	Hosseini-Chavoshi <i>et al.</i> (2014)
Nepal	Muslim	2011/12	Household survey	400	32.5%	1C	0.0203	Bhatta & Haque (2014)
Pakistan	Lahore	1979/80	Obstetric inpatients	966	38.8%	D1C,1C,1 ^{1/2} C, D2C,2C	0.0269	Shami & Zahida (1982)
	Mianchannu	1980	Household survey	135	37.8	1C	0.0236	Shami (1983)
	Muridke	1980	Household survey	251	41.2	1C,1 ^{1/2} C,D2C	0.0240	Shami (1983)
	Sheikhupura	1982/83	Household survey	1,007	48.9	1C,1 ^{1/2} C,D2C	0.0271	Shami & Iqbal (1983)
	Gujrat	1982/83	Household survey/ obstetric inpatients	1,002	48.5	D1C,1C,1 ^{1/2} C, D2C,2C	0.0277	Shami & Hussain (1984)
	Jhelum	1983/84	Household survey	1,027	44.2	D1C,1C,1 ^{1/2} C, D2C,2C	0.0262	Shami & Minhas (1984)
	Rawalpindi	1983/84	Household survey	1,000	48.1	D1C,1C,1 ^{1/2} C, D2C,2C	0.0286	Shami & Siddiqui (1984)
	Faisalabad	1985/86	Household survey	1,033	52.1	D1C,1C,1 ^{1/2} C, D2C,2C	0.0293	Bittles <i>et al.</i> (1993)

Gujrunwala	1985/86	Household survey	1,059	58.9%	D1C,1C,1 ^{1/2} C, D2C,2C	0.0323	Bittles <i>et al.</i> (1993)
Sahiwal	1985/86	Household survey	1,003	56.1	D1C,1C,1 ^{1/2} C, D2C,2C	0.0295	Bittles <i>et al.</i> (1993)
Sialkot	1985/86	Household survey	1,037	51.8	D1C,1C,1 ^{1/2} C, D2C,2C	0.0261	Bittles <i>et al.</i> (1993)
All-Punjab	1979/86	Household survey/obstetric inpatients	9,520	50.3	D1C,1C,1 ^{1/2} C, D2C,2C	0.0280	Bittles <i>et al.</i> (1993)
Lahore	1987/90	Household survey	940	46.2	D1C,1C,1 ^{1/2} C, D2C,2C	0.0242	Yaqoob <i>et al.</i> (1993)
All-Pakistan	1990/91	Household survey	6,611	61.2	1C,2C	0.0332	NIPS (1992)
NWFP/Khyber Pakhtunkhwa	1990/91	Household survey	878	51.0	1C,2C	0.0259	NIPS (1992)
Quetta	-	Gynaecology inpatients	171	31.6	1C,2C	0.0217	Mian & Mushtaq (1994)
Swat, urban	1986	Household survey	1,019	31.1	1C,1 ^{1/2} C,2C	0.0163	Wahab & Ahmad (1996)
Swat, rural	1986	Household survey	1,018	37.1	1C,1 ^{1/2} C,2C	0.0166	Wahab & Ahmad (1996)
All-Pakistan	2006/07	Household survey	10,023	60.5	1C,2C	0.0340	NIPS (2008)
Punjab	2006/07	Household survey	5,800	60.7	1C,2C	0.0344	NIPS (2008)

Sindh	2006/07	Household survey	2,410	64.2%	1C,2C	0.0365	NIPS (2008)
NWFP/Khyber Pakhtunkhwa	2006/07	Household survey	1,351	51.1	1C,2C	0.0280	NIPS (2008)
Balochistan	2006/07	Household survey	462	65.5	1C,2C	0.0346	NIPS (2008)
All-Pakistan	2012/13	Household survey	13,558	56.4	1C,2C	0.0315	NIPS (2013)
Punjab	2012/13	Household survey	7,790	54.1	1C,2C	0.0308	NIPS (2013)
Sindh	2012/13	Household survey	3,133	63.1	1C,2C	0.0345	NIPS (2013)
Khyber Pakhtunkhwa	2012/13	Household survey	1,908	53.3	1C,2C	0.0295	NIPS (2013)
Balochistan	2012/13	Household survey	568	63.4	1C,2C	0.0339	NIPS (2013)
Azad Jammu & Kashmir	2010	Household survey	1,584	62.2	D1C,1C,1 ^{1/2} C,2C	0.0347	Jabeen & Malik (2014)
Khyber Pakhtunkhwa, Malakand, rural	2011/13	Household survey	1,192	66.4	D1C,1C,1 ^{1/2} C,2C	0.0338	Sthanadar <i>et al.</i> (2014)
Southern Punjab, Rahim Yar Khan	2010/11	Household survey	2,174	58.5	D1C,1C,1 ^{1/2} C,2C	0.0355	Riaz <i>et al.</i> (2016)
Khyber Pakhtunkhwa	2015/16	Household survey	1,500	58.3	D1C,1C,1 ^{1/2} C,2C	0.0259	Pervaiz <i>et al.</i> (2017)

Sri Lanka	Kandy, <i>Buddhist</i>	1973	Household survey	455	21.5%	1C,2C	0.0092	Reid (1976)
West Asia								
Bahrain	Bahrain	1989	Child health survey	10,070	45.5%	1C,<1C	0.0166	Al-Naser (1994)
	Bahrain	1989	Married women	500	31.8	1C,1 ^{1/2} C, 2C	0.0152	Al Arrayed (1994)
	Bahrain	2009	Newborn survey	10,248	6.8	1C	0.0003	Al-Arrayed & Hamamy (2012)
Iraq	Baghdad	-	Hospital in- & out-patients/ medical students	4,491	46.4%	1C,1 ^{1/2} C,2C	0.0225	Al-Hamamy <i>et al.</i> (1986)
	Baghdad	-	Workplace survey	382	53.4	1C,2C	0.0228	Hamamy & Al-Hakkak (1989)
	Baghdad, urban	2004	Household survey	6,381	29.0	D1C,1C	0.0194	Central Organization for Statistics and IT (COSIT) (2005)
	Baghdad, rural	2004	Household survey	437	50.0	D1C,1C	0.0325	COSIT (2005)
	Central Iraq, urban	2004	Household survey	3,950	35.0	D1C,1C	0.0238	COSIT (2005)
	Central Iraq, rural	2004	Household survey	2,274	40.0	D1C,1C	0.0263	COSIT (2005)
	Northern Iraq, urban	2004	Household survey	553	25.0	D1C,1C	0.0176	COSIT (2005)

	Northern Iraq, rural	2004	Household survey	2,339	26.0%	D1C,1C	0.0219	COSIT (2005)
	Southern Iraq, urban	2004	Household survey	5,582	32.0	D1C,1C	0.0213	COSIT (2005)
	Southern Iraq, rural	2004	Household survey	2,384	41.0	D1C,1C	0.0269	COSIT (2005)
	All-Iraq	2004	Household survey	23,937	33.0	D1C,1C	0.0219	COSIT (2005)
Israel	Ashkenazi migrants	1955/57	Obstetric inpatients	4,734	1.4%	UN,1C	0.0009	Goldschmidt <i>et al.</i> (1960)
	Sephardi migrants	1955/57	Obstetric inpatients	6,690	8.8	UN,1C	0.0060	Goldschmidt <i>et al.</i> (1960)
	Petah Tiqwa, Jewish, Askenazi	1969/70	Obstetric inpatients	1,242	1.3	>1C,1C,<1C	-	Tsafrir & Halbrecht (1972)
	Petah Tiqwa Jewish, Non-Ashkenazi	1969/70	Obstetric inpatients	1,916	14.3	>1C,1C,<1C	-	Tsafrir & Halbrecht (1972)
	All-Israel, Arab	-	School survey	3,203	34.2	D1C,1C	0.0238	Bashi (1977)
	Galilee, Druze	-	Paediatric clinic	191	48.7	1C,1 ^{1/2} C,2C	0.0252	Freundlich & Hino (1984)
	Galilee, Muslim	-	Paediatric clinic	189	39.7	1C,2C,1 ^{1/2} C	0.0199	Freundlich & Hino (1984)
Galilee, Christian	-	Paediatric clinic	170	28.8	1C,1 ^{1/2} C,2C	0.0137	Freundlich & Hino (1984)	

Galilee, Arab & Druze	1976/83	Paediatric clinic	1,546	32.2%	1C,2C	0.0163	Gev <i>et al.</i> (1986)
All-Israel, Arab, urban	1992	School survey	1,156	24.2	D1C,1C,1 ^{1/2} C	0.0153	Jaber <i>et al.</i> (1994)
All-Israel, Arab, suburban	1992	School survey	2,267	28.2	D1C,1C,1 ^{1/2} C	0.0178	Jaber <i>et al.</i> (1994)
All-Israel, Arab, rural	1992	School survey	5,098	30.6	D1C,1C,1 ^{1/2} C	0.0194	Jaber <i>et al.</i> (1994)
Central Israel, Arab	1981/85	School survey	3,328	26.6	D1C,1C,1 ^{1/2} C	0.0153	Jaber <i>et al.</i> (2000)
All Israel, Arab Muslim	1990/92	Obstetric survey	1,025	32.1	D1C,1C,1 ^{1/2} C,2C	0.0177	Vardi-Saliternik <i>et al.</i> (2002)
All Israel, Bedouin	1990/92	Obstetric survey	278	45.3	D1C,1C,1 ^{1/2} C,2C	0.0253	Vardi-Saliternik <i>et al.</i> (2002)
All Israel, Arab Christian	1990/92	Obstetric survey	107	20.6	D1C,1C,1 ^{1/2} C,2C	0.0119	Vardi-Saliternik <i>et al.</i> (2002)
All Israel, Druze	1990/92	Obstetric survey	115	40.9	D1C,1C,1 ^{1/2} C,2C	0.0233	Vardi-Saliternik <i>et al.</i> (2002)
Lower Galilee, Arab	1970/2000	Village study	483	17.5	1C	0.0104	Zlotogora <i>et al.</i> (2002)
Haifa District, Arab Muslim	1980/85	Multi-village survey	264	29.9	D1C,1C,1 ^{1/2} C,2C,	0.0184	Sharkia <i>et al.</i> (2007)
Haifa District, Arab Muslim	2000/04	Multi-village survey	1,057	20.0	D1C,1C,1 ^{1/2} C,2C	0.0106	Sharkia <i>et al.</i> (2007)

	Southern Israel, Bedouin	2009/10	Obstetric survey	1,290	39.1%	D1C,1C,1 ^{1/2} C,2C	0.0236	Na'amnih <i>et al.</i> (2014)
	Haifa, Northern & Central Israel, Arab Muslim	<2000/09	Health centre study	4,894	23.5	D1C,1C,1 ^{1/2} C,2C	0.0125	Na'amnih <i>et al.</i> (2015)
	Haifa, Northern & Central Israel, Druze	<2000/09	Health centre study	696	27.2	D1C,1C,1 ^{1/2} C,2C	0.0139	Na'amnih <i>et al.</i> (2015)
	Haifa, Northern & Central Israel, Arab Christian	<2000/09	Health centre study	395	14.9	D1C,1C,1 ^{1/2} C,2C	0.0073	Na'amnih <i>et al.</i> (2015)
	All-Israel, Arab Muslim	1948/2007	Multi-centre survey	2,472	30.5	D1C,1C,1 ^{1/2} C,2C	0.0152	Sharkia <i>et al.</i> (2015)
	All-Israel, Arab Christian	1948/2007	Multi-centre survey	363	16.5	D1C,1C,1 ^{1/2} C,2C	0.0110	Sharkia <i>et al.</i> (2015)
	All-Israel, Arab Druze	1948/2007	Multi-centre survey	338	26.3	D1C,1C,1 ^{1/2} C,2C	0.0176	Sharkia <i>et al.</i> (2015)
	All Israel, All-Arab	2000/07	Multi-centre survey	737	22.9	D1C,1C,1 ^{1/2} C,2C	0.0112	Sharkia <i>et al.</i> (2015)
Jordan	Irbid, north-east	1963/64	Paediatric outpatients	1,097	52.1%	1C,1 ^{1/2} C,2C	0.0230	Cook & Hanslip (1966)
	All-Jordan	1969/79	Household survey	1,989	39.7	D1C,1C,1 ^{1/2} C,2C	0.0225	Khoury and Massad (1992)
	Irbid	-	Hospital outpatients	900	50.6	D1C,1C,1 ^{1/2} C,2C	0.0284	Al-Salem & Rawashdeh (1993)

	Balqa	1986/89	Household survey	340	40.3%	1C,1 ^{1/2} C	0.0180	Nabulsi (1993)
	Amman	2004	Diabetic clinic	2,594	25.5	D1C,1C,1 ^{1/2} C,2C	0.0142	Hamamy <i>et al.</i> (2005)
Kuwait	All-Kuwait	-	Obstetric inpatients	2,133	38.4%	1C,1 ^{1/2} C,2C	0.0174	El-Alfi <i>et al.</i> (1969)
	All-Kuwait	1983	Obstetric/ Gynecology outpatients	5,007	34.3	D1C,1C,1 ^{1/2} C,2C	0.0219	Al-Awadi <i>et al.</i> (1985)
	Kuwait City	1996/97	Household survey	404	22.5	D1C,1C,2C	0.0139	Radovanovic <i>et al.</i> (1999)
	Jahra	1996/97	Household survey	555	42.2	D1C,1C,2C	0.0251	Radovanovic <i>et al.</i> (1999)
Lebanon	Beirut	1981/82	Obstetric inpatients	750	26.0%	1C,1 ^{1/2} C,2C	0.0116	Klat & Khudr (1986)
	Beirut, Christian	1983/84	Household survey	1,001	16.5	1C,<1C	0.0049	Khlat (1988)

	Beirut,	1983/84 survey	Household	1,853	29.6%	1C,<1C	0.0109	Khlat (1988)
	Beirut, All religions	1983/84	Household survey	2,854	25.0	1C,<1C	0.0088	Khlat (1988)
	Bekaa Valley, <i>Sunni Bedouin</i>	2000	Household survey	1,100	47.2	1C	0.0324	Joseph (2007)
	All-Lebanon	-	Household survey	1,556	35.5	1C,2C	0.0204	Barbour & Salameh (2009)
	All-Lebanon, Shia		Household survey	1,203	28.0	D1C,1C,1 ^{1/2} C,2C	0.0168	El-Kheshan & Saadat (2013)
Oman	All-Oman	1994/97	Obstetric outpatients	60,895	35.9%	1C,2C	0.0169	Rajab & Patton (2000)
	All-Oman	1995	Health centre	500	33.0	D1C,1C,1 ^{1/2} C,2C	0.0180	Rajab & Patton (2000)
	All-Oman	2000	Household survey	2,037	38.5	1C	0.0241	Islam (2012)
Palestinian Territories	Gaza	1995	Household survey	10,409	27.2%	1C	0.0170	Pedersen (2002)
						West Bank Pedersen (2002)	1995 Household 5,778 31.6	1C 0.0198
	All-Palestine	1995	Household survey	16,171	29.2	1C	0.0183	Assaf & Khawaja (2009)

	All-Palestine	2004	Household survey	4,971	27.7	D1C,1C	0.0186	Assaf & Khawaja (2009)
	Gaza	2000/13	Premarital survey	156,635	39.9%	1C,2C	0.0179	Sirdah (2014)
Qatar	Doha	2004	Outpatient clinic	1,515	44.5	D1C,1C,1 ^{1/2} C,2C	0.0271	Bener & Alali (2006)
	Doha	2008	Workplace survey	132	50.0	D1C,1C,1 ^{1/2} C,2C	0.0333	Sandridge <i>et al.</i> (2010)
Saudi Arabia	All-Saudi	1980s	Hospital visitors	143	18.9%	1C,2C	0.0085	Chaleby & Tuma (1987)
	Riyadh	1979/80	Obstetric inpatients	1,149	55.0	1C,2C	0.0330	Serenius <i>et al.</i> (1988)
	Riyadh	1983/86	Obstetric inpatients	4,498	31.4	1C	0.0196	Saedi-Wong <i>et al.</i> (1989)
	Riyadh	1989/90	Household survey	6,421	45.1	1C,2C	0.0174	Zakzouk <i>et al.</i> (1993)
	Northern	-	Household survey	693	35.3	1C,2C	0.0206	El-Hazmi <i>et al.</i> (1995)
	North western	-	Household survey	391	48.1	1C,2C	0.0283	El-Hazmi <i>et al.</i> (1995)
	Central	-	Household survey	1,108	43.2	1C,2C	0.0258	El-Hazmi <i>et al.</i> (1995)
	South western	-	Household	998	38.4	1C,2C	0.0229	El-Hazmi <i>et al.</i>

survey

(1995)

Eastern	-	Household survey	22	50.0%	IC,2C	0.0302	El-Hazmi <i>et al.</i> (1995)
All-Saudi	-	Household survey	3,212	40.6	IC,2C	0.0241	El-Hazmi <i>et al.</i> (1995)
Riyadh	1993	Health clinics	2,001	41.2	D1C,1C,1 ^{1/2} C,2C	0.0219	Al-Husain & Al-Bunyan (1997)
Damman City, Eastern Province	-	Health care centres and hospitals	1,307	43.4	D1C,1C,1 ^{1/2} C,2C	0.0312	Al-Abdulkareem & Ballal (1998)
Riyadh	2004/05	Household survey	2,522	42.3	1C	0.0265	El-Mouzan <i>et al.</i> (2007)
Makkah	2004/05	Household survey	2,278	32.4	1C	0.0202	El-Mouzan <i>et al.</i> (2007)
Gizan	2004/05	Household survey	565	32.9	1C	0.0206	El-Mouzan <i>et al.</i> (2007)
Eastern Province	2004/05	Household survey	1,032	33.3	1C	0.0208	El-Mouzan <i>et al.</i> (2007)
Assir	2004/05	Household survey	833	24.6	1C	0.0154	El-Mouzan <i>et al.</i> (2007)
Qassim	2004/05	Household survey	713	29.6	1C	0.0185	El-Mouzan <i>et al.</i> (2007)
Hail	2004/05	Household survey	505	25.1	1C	0.0157	El-Mouzan <i>et al.</i> (2007)
Madinah	2004/05	Household survey	618	39.2	1C	0.0245	El-Mouzan <i>et al.</i> (2007)

	Al-Baha	2004/05	Household survey	487	29.0%	1C	0.0181	El-Mouzan <i>et al.</i> (2007)
	Northern Borders	2004/05	Household survey	504	31.3	1C	0.0196	El-Mouzan <i>et al.</i> (2007)
	Tabak	2004/05	Household survey	432	28.2	1C	0.0176	El-Mouzan <i>et al.</i> (2007)
	Najran	2004/05	Household survey	472	28.4	1C	0.0177	El-Mouzan <i>et al.</i> (2007)
	Al-Jouf	2004/05	Household survey	593	34.7	1C	0.0217	El-Mouzan <i>et al.</i> (2007)
	Riyadh	-	University students & hospital outpatients	293	37.8	1C,2C	0.0189	Warsy <i>et al.</i> (2014)
Syria	Damascus, urban	2008	Household survey	6,058	35.4%	D1C,1C,2C	0.0253	Othman & Saadat (2009)
	Damascus, rural	2008	Household survey	6,067	46.1	D1C,1C,2C	0.0366	Othman & Saadat (2009)
	Hama, urban	2008	Household survey	3,436	33.7	D1C,1C,2C	0.0286	Othman & Saadat (2009)
	Hama, rural	2008	Household survey	3,634	47.1	D1C,1C,2C	0.0373	Othman & Saadat (2009)
	Lattakia, urban	2008	Household survey	4,190	14.6	D1C,1C,2C	0.0090	Othman & Saadat (2009)

Lattakia, rural	2008	Household survey	4,831	22.8%	D1C,1C,2C	0.0159	Othman & Saadat (2009)
Tartous, urban	2008	Household survey	2,344	28.2	D1C,1C,2C	0.0178	Othman & Saadat (2009)
Tartous, rural	2008	Household survey	4,008	24.6	D1C,1C,2C	0.0159	Othman & Saadat (2009)
Al Raqa, urban	2008	Household survey	1,236	48.9	D1C,1C,2C	0.0311	Othman & Saadat (2009)
Al Raqa, rural	2008	Household survey	1,850	63.0	D1C,1C,2C	0.0389	Othman & Saadat (2009)
Homs, urban	2008	Household survey	3,137	33.5	D1C,1C,2C	0.0286	Othman & Saadat (2009)
Homs, rural	2008	Household survey	3,489	46.3	D1C,1C,2C	0.0362	Othman & Saadat (2009)
Edlep, urban	2008	Household survey	4,130	17.2	D1C,1C,2C	0.0111	Othman & Saadat (2009)
Edlep, rural	2008	Household survey	4,710	23.9	D1C,1C,2C	0.0153	Othman & Saadat (2009)
Aleppo, urban	2008	Household survey	6,853	24.7	D1C,1C,2C	0.0191	Othman & Saadat (2009)
Aleppo, rural	2008	Household survey	7,985	32.8	D1C,1C,2C	0.0251	Othman & Saadat (2009)
All-Syria, urban	2008	Household survey	31,384	27.5	D1C,1C,2C	0.0203	Othman & Saadat (2009)

	All-Syria, rural	2008	Household survey	36,574	35.9%	D1C,1C,2C	0.0265	Othman & Saadat (2009)
Turkey	Ankara	1971/73	Obstetric inpatients	23,687	17.0%	D1C,1C,1 ^{1/2} C	0.0095	Stevenson <i>et al.</i> (1976)
	Ankara, central	1970/87	Hospital outpatients	1,054	25.7	D1C,1C,1 ^{1/2} C, 2C	0.0064	Başaran <i>et al.</i> (1988)
	Eskisehir, west	1970/87	Hospital outpatients	38,259	16.8	D1C,1C,1 ^{1/2} C, 2C	0.0046	Başaran <i>et al.</i> (1988)
	Diyarbakir, south-east	1970/87	Hospital outpatients	15,862	31.5	D1C,1C,1 ^{1/2} C, 2C	0.0110	Başaran <i>et al.</i> (1988)
	All-Turkey	1970/87	Hospital outpatients	55,175	21.2	D1C,1C,1 ^{1/2} C, 2C	0.0065	Başaran <i>et al.</i> (1988)
	Antalya, south-west, rural	1987	Household survey	1,020	13.7	1C	0.0086	Güz <i>et al.</i> (1989)
	Antalya, south-west, urban	1987	Household survey	1,584	16.3	1C	0.0102	Güz <i>et al.</i> (1989)
	All-Antalya, south-west	1987	Household survey	2,604	15.3	1C	0.0096	Güz <i>et al.</i> (1989)
	West	1988	Household survey	1,910	12.8	1C,2C	0.0056	Tunçbilek & Ulusoy (1989)
	South	1988	Household survey	731	29.6	1C,2C	0.0131	Tunçbilek & Ulusoy (1989)
	Centre	1988	Household survey	1,305	20.8	1C,2C	0.0091	Tunçbilek & Ulusoy (1989)

North	1988	Household survey	587	23.3%	1C,2C	0.0115	Tunçbilek & Ulusoy (1989)
East	1988	Household survey	881	30.8	1C,2C	0.0149	Tunçbilek & Ulusoy (1989)
All-Turkey	1988	Household survey	5,257	21.1	1C,2C	0.0096	Tunçbilek & Ulusoy (1989)
Trabzon	1990	Health centre	999	20.0	1C,2C	0.0108	Baki <i>et al.</i> (1992)
Konya	-	Household survey	1,120	14.6	1C	0.0092	Demirel <i>et al.</i> (1997)
Denizli, Aegean region	1996	School survey	1,000	11.7	1C,2C	0.0087	Simsek <i>et al.</i> (1999)
Manavgat, urban	2001	Household survey	661	8.0	1C	0.0050	Alper <i>et al.</i> (2004)
Manavgat, rural	2001	Household survey	884	15.7	1C	0.0098	Alper <i>et al.</i> (2004)
Istanbul	2003/04	Household survey	1,369	17.1	1C,2C	0.0093	Koç (2008)
West Marmara	2003/04	Household survey	316	7.9	1C,2C	0.0038	Koç (2008)
Aegean	2003/04	Household survey	1,030	12.4	1C,2C	0.0068	Koç (2008)
East Marmara	2003/04	Household survey	645	12.6	1C,2C	0.0064	Koç (2008)

West Anatolia	2004/04	Household survey	717	21.4%	1C,2C	0.0118	Koç (2008)
Mediterranean	2003/04	Household survey	954	27.1	1C,2C	0.0146	Koç (2008)
Central Anatolia	2003/04	Household survey	429	20.0	1C,2C	0.0108	Koç (2008)
West Black Sea	2003/04	Household survey	478	14.9	1C,2C	0.0084	Koç (2008)
East Black Sea	2003/04	Household survey	268	14.6	1C,2C	0.0075	Koç (2008)
North-east Anatolia	2003/04	Household survey	231	29.0	1C,2C	0.0161	Koç (2008)
Central east Anatolia	2003/04	Household survey	371	28.0	1C,2C	0.0164	Koç (2008)
South-east Anatolia	2003/04	Household survey	627	39.0	1C,2C	0.0221	Koç (2008)
All-Turkey	2003/04	Household survey	7,435	20.1	1C,2C	0.0110	Koç (2008)
Bursa Anatolia	2006/07	Primary health care clinic	1,100	33.0	1C,1 ^{1/2} C,2C	0.0156	Özdemir et al. (2009)
All-Turkey	2013	Household survey	4,913	18.5	1C,2C	0.0128	Kaplan <i>et al.</i> (2016)

United Arab Emirates	Al Ain	1994/95	Health centre	1,502	37.4%	D1C,1C,1 ^{1/2} C,2C	0.0245	Al-Gazali <i>et al.</i> (1997)
	Dubai	1994/95	Health centre	531	32.0	D1C,1C,1 ^{1/2} C,2C	0.0159	Al-Gazali <i>et al.</i> (1997)
	Abu Dhabi	2011	Premarital screening	383	31.9	D1C,1C,1 ^{1/2} C,2C	0.0221	Denic <i>et al.</i> (2013)
Yemen	All-Yemen	1997	Household survey	9,762	33.9%	1C	0.0212	Jurdi & Saxena (2003)
	Sana'a	2000	Household survey	1,050	44.7	D1C,1C,1 ^{1/2} C,2C	0.0244	Gunaid <i>et al.</i> (2004)

