

Additional file 2

Author (year)	Country	Setting	Design	Recruitment	Response	Sample size	Survey type	Tool used for violence prevalence	Timescale	IPV or DV	Any violence prevalence +definition	Physical violence prevalence	Sexual violence prevalence	Emotional/ Psychological violence prevalence + definition	Control or Economic	Health impacts	AXIS quality
Abdelmegeid (2004) ²²	Egypt	MCHC centres 4 districts Cairo	CS	Clinics: R Women: CON	-	1000	I	No – 12Qs violence behaviours	Lifetime	IPV	61% P or S or E	36.9%	4.3%	14.7% 'Psychological'	-	-	Medium
Abdelhai and Mosleh (2005) ²³	Egypt	ANC at teaching hospital, Cairo	CS	Women: R	96%	376	I	HITS	Lifetime	IPV	30.6% P or E	7.7%	-	17% 'Screamed or cursed frequently'	-	MH	Medium/High
Abujilban et al (2015) ²⁴	Jordan	Postnatal department, MOH hospital	Case control	Hospitals: cluster random Cases: consecutive Controls: R	-	158	Q	WHO (physical)	Pregnancy	IPV	-	-	-	-	-	Reprod	Medium
Afifi et al (2011) ²⁵	Saudi Arabia	10 PHC clinics – 6 urban, 3 village, 1 Hejar	CS	Clinic: 2 stage proportionate cluster R Women:CON	-	2000	I	WHO (modified)	Past month Lifetime	DV	1m: 32.7% LT: 39.3% P or S or E	1m: 22.8% LT: 17.9%	1m: 11.8% LT: 6.9%	1m: 29.1% LT: 35.9% 'Mental'	-	MH Reprod General	Medium
Ahmed and Elmari (2005) ²⁶	Sudan	Medical clinics – referrals from primary care	CS	Women: CON	87%	394	Q	No – 17Qs (based on Bradley et al 2002) no sexual Qs	12m	IPV [DV]	41.6% P or E	20.1%	-	30.2% 'Threat'	28.4% 'Control'	-	Medium/High
Al Modallal (2012) ²⁷ †	Jordan	UNWRA health centres for Palestinian refugees 3 cities	CS	Women: CON	-	300	Q	AAS	12m	IPV	43.4% P or S or E	-	-	-	-	MH*	Medium
Al Modallal et al (2014) ²⁸ †	Jordan	MOH and UNWRA health centres, 3 cities	CS	Women: CON	-	620	Q	AAS	12m	IPV	37.5% * P or S or E	-	-	-	-	N/A	Medium
Al Modallal et al (2015) ²⁹ †	Jordan	UNWRA health centres for Palestinian refugees	CS	Women: CON	-	300	Q	AAS: P + S WHO: control Other: E and Econ	Lifetime	IPV	78% * P or S or E or Econ	22.7%	16.7%	50.3% * 'Emotional'	736% 'Control' 50.3% * 'Econ'	-	Medium
Al Modallal (2016) ³⁰ †	Jordan	UNWRA health centres for Palestinian refugees 3 cities	CS	Women: CON	72%	238	Q	AAS	12m	IPV	N/A	N/A	N/A	N/A	N/A	General*	Medium/High

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Al Modallal (2017) ³¹ †	Jordan	MOH and UNWRA health centres, 3 cities	CS	Women: CON	-	709	Q	WHO (adapted)	Lifetime	IPV	-	51.5% *	24.5% *	-	68.8% *	-	Medium
Al-Nsour et al (2009) ³²	Jordan	PHC – 9 centres in Balka governate	CS	Clinic: R Women: CON	98%	356	Q	No – single open ended question	12m	IPV	87% P or E	19.6%	-	47.5% 'Emotional' [12.3% 'neglect']	-	-	Medium/ High
Al-Serkal et al (2014) ³³	UAE	Primary healthcare centre in Dubai	CS	Women: R	-	700	I	WHO	12m Lifetime	IPV	-	12m: 7.1% LT: 31%	12m: 3.7% LT: 22%	12m: 7.5% LT: 40.9%	-	MH Reprod General	Medium
Al Shdayfat (2017a) ³⁴ ‡	Jordan	MCHC – 3 urban, 2 rural. Syrian refugees.	CS	Clinics: purposive Women: CON	73%	182	Q	NORAQ (Arabic)	12m Lifetime	DV	-	-	-	12m: 44.5% LT: 51.6%	-	MH*	Medium/ High
Al Shdayfat (2017b) ³⁵ ‡	Jordan	MCHC – 3 urban, 2 rural. Syrian refugees.	CS	Clinics: purposive Women: CON	73%	182	Q	NORAQ (Arabic)	12m Lifetime	DV	-	12m:14.8% LT: 31.3%*	-	-	-	MH	Medium
Alzahrani et al (2016) ³⁶	Saudi Arabia	Primary Healthcare Centres, Taif	CS	2 stage probability sampling	99%	497	Q	HITS	12m	IPV	11.9% P or E	-	-	-	-	-	Medium
Anes Jellali et al (2014) ³⁷ §	Tunisia	Family planning centre, Monastir	CS	Women: R	-	197	I	WAST + econ Q	Lifetime	IPV	56.9% * P or S or E or Econ	32% *	10.6% *	56.9% * 'Psychological'	41.1% * 'Economic'	MH* Reprod*	Medium
Anes Jellali et al (2015) ³⁸ [FRENCH] §	Tunisia	Family planning centre, Monastir	CS	Women: R	-	197	I	WAST + econ Q	Lifetime	IPV	56.9% P or S or E or Econ	32%	10.6%	56.9% 'Psychological'	41.1% 'Economic'	Reprod	Medium
Awwad et al (2014) ³⁹	Lebanon	Outpatient gynae clinic, University Hospital	CS	Women: CON	91%	91	I	No – 11Qs appropriate questions	Lifetime	IPV	-	40.6%	33%	64.8%'Verbal'* [19% Emotional 22% Social]	33% 'Economic'	-	Medium/ High
Azm et al (2009) ⁴⁰	Saudi Arabia	Antenatal, IP ante/postnatal, Emergency O+G, CHC	CS	Women: CON	88%	350	I	No – 32Qs questionnaire designed	Lifetime Pregnancy	IPV	LT: 78% - P or S or E or Econ	LT: 78% PG: 54%	LT: 48.3% -	LT: 72.9% - 'Psychological'	LT: 32.6% - 'Financial'	MH Reprod	Medium
Bakr and Ismail (2005) ⁴¹	Egypt	University hospital - varied outpatient clinics	CS	Women: CON	-	509	I	No – 21Qs (Bradley et al 2002 modified)	Lifetime	IPV	89.8% P or S or E	N/A	17.1%	47.9% 'Threat'	88.4% 'Control'	General	Medium
Barnawi (2017) ⁴²	Saudi Arabia	Primary health care centre, Riyadh	CS	Women: CON	95%	720	Q	No – 14 behaviours questionnaire designed	12m	DV	20% P or S or E	4%	2.1%	13.9% 'Emotional' (6.8% social)	5.3% 'Economic'	General	Medium/ High

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								from literature									
Boufettal et al (2012) ⁴³ [FRENCH]	Morocco	University hospital – ANC and inpatient	CS	Not stated – convenience?	89%	867	I	No – 9 violence behaviours listed	Pregnancy	IPV	12.3% P or S	-	1.2%	-	-	MH Reprod	Medium
Clark et al (2008) ⁴⁴ †	Jordan	Family planning, 7 clinics	CS	Systematic prob proportionate to size	70%	353	Q	WHO (modified)	Lifetime	IPV	-	31%	20%	-	-	Reprod	Medium/ High
Clark et al (2009a) ⁴⁵ †	Jordan	Family planning, 7 clinics	CS	Systematic prob proportionate to size	70%	517	Q	WHO (modified)	Lifetime	IPV	-	31.2% *	18.8% *	73.4% *	97.2% *	-	Medium/ High
Clark et al (2009b) ⁴⁶ †	Jordan	Family planning, 7 clinics	CS	Systematic prob proportionate to size	55%	390	Q	WHO (modified)	Pregnancy	DV	-	15.4% *	-	-	-	-	Medium
Clark et al (2010) ⁴⁷ †	Jordan	Family planning, 7 clinics	CS	Systematic prob proportionate to size	70%	418	Q	WHO (modified)	Lifetime	IPV [DV]	38% * P or S	29%	18%	-	-	-	Medium/ High
Daoud et al (2017) ⁴⁸	Israel (Arabs only)	Maternal and child health clinics- 21 in Arab localities	CS	Clinic: stratified proportional cluster Women: CON	76%	436	I	US Preventative Services Task Force Family screening tool for IPV	Lifetime	IPV	66.7% P or S or E or Econ	10.6%	-	49.7%	-	-	High
Eldoseri et al (2014) ⁴⁹ †	Saudi Arabia	Primary healthcare, 6 clinics.	CS	Clinic: purposive Women: CON	94%	200	I	WHO (modified) physical only	12m Lifetime	IPV	-	12m: 16% LT: 44.5%	-	-	-	MH General	Medium/ High
Eldoseri and Sharps (2017) ⁵⁰ †	Saudi Arabia	Primary healthcare, 6 clinics.	CS	Clinic: purposive Women: CON	94%	200	I	WHO (modified) physical only	12m Lifetime	IPV	-	12m: 16%* LT: 44.5%*	-	-	-	-	High
Haddad et al (2011) ⁵¹	Jordan	Maternal and child healthcare centres – urban and rural	CS	Women: CON	98%	175	Q	NORAQ (Arabic – validated by this study)	Lifetime	DV	-	30%	6%	39%	-	MH	Medium/ High
Hammoury and Khawaja (2007) ⁵² ††	Lebanon	ANC in UNWRA clinic – refugees from Palestine	CS	Women: CON	99%	349	I	AAS (sexual abuse Q modified)	12m Lifetime Pregnancy (pregnant women only)	DV	- LT: 68.8% - P or S or E *	12m:19.2% LT: 59.3% PG: 11.5% *	12m:26.4% - - *	12m: 16.1% - - *	-	-	Medium
Hammoury et al (2009) ⁵³	Lebanon	ANC in UNWRA clinic – refugees from	CS	Women: CON	99%	349	I	AAS (sexual abuse Q	12m Lifetime Pregnancy	DV	- LT: 59% -	12m:19.2% - PG: 11.5%	-	-	-	Reprod*	Medium/ High

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††		Palestine						modified)	(pregnant women only)		P or E						
Ibrahim et al (2015) ⁵⁴	Egypt	Obstetric outpatient unit – university hospital	Prospective cohort	Women: CON	85%	1857	I	NORAQ (Arabic)	Pregnancy	IPV	44.1% P or S or E	15.9%	10%	32.6% 'Emotional'	-	Reprod	Medium/High
Khawaja and Hammoury (2008) ⁵⁵ ††	Lebanon	ANC in UNWRA clinic – refugees from Palestine	CS	Women: CON	99%	349	I	AAS (sexual abuse Q modified)	12m Pregnancy (pregnant women only)	IPV	-	12m:19.2% PG: 11.4%	12m: 26.4% -	12m: 16.1% -	-	Reprod	Medium
Malik et al (2017) ⁵⁶	Iraq	Public primary healthcare centre – for reproductive problems	CS	Women: R	82%	82	I	WHO (adapted)	12m	IPV	72% P or S or E	39%	18.3%	61% 'Emotional'	-	-	Medium
Mamdouh et al (2012) ⁵⁷	Egypt	Family health centres – 12 centres, urban and rural	CS	Clinics: R Women: systematic	93%	3271	I	No 26Qs (designed questionnaire from literature)	Lifetime	IPV	77% P or S or E or Econ	50.2%	37.1%	71% 'Emotional'	40.8% 'Economic'	-	High
Okour and Badarneh (2011) ⁵⁸	Jordan	Antenatal – MCH clinics 2 rural, 2 urban. Bedouin community.	CS	? sampling	97%	303	I	WHO	Pregnancy	IPV	40.9% P or S or E	34.6%	15.5%	28.1% 'Psychological'	-	-	Medium/High
Oweis et al (2010) ⁵⁹	Jordan	Maternal and Child Health Centres, 5 in Irbid City.	CS	Women: CON	83%	316	Q	No (5 Y/N questions)	Pregnancy	IPV [DV]	-	10.4%	5.7%	23.7% 'Verbal' (‘Emotional’ 23.4%)	-	MH Reprod	Medium/High
Spencer et al (2015) ⁶⁰	Jordan and Lebanon	Primary care clinics–Syrian national and Palestinian refugees from Syria	CS	Women: CON	-	385	I	No – survey developed and tested by researchers	Since arriving in Jordan/ Lebanon + pregnancy	DV	- - -	Jor: 7.5% Leb: 6% PG: 6.3%	Jor: 1.5% Leb: 0% -	Jor: 6% Leb: 6.5% -	Jor: 0% Leb: 0% -	Reprod	Medium
Tashkandi and Rasheed	Saudi Arabia	Primary care – 16 clinics Medina City	CS	Clinics: simple R Women: CON	68%	689	I	CTS-R (CTS-revised +	12m Lifetime	IPV	12m:58.5% LT:57.8%	12m:25.7% LT: 26.9%	-	12m: 57.5% -	-	-	Medium/High

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(2009) ⁶¹								added Qs)			P or E			'Emotional'			
Usta et al (2007) ⁶²	Lebanon	Primary care clinics, 4 clinics	CS	Women: CON	90% estimate	1415	I	No 4Qs (based on Haj-Yahia and adapted)	Lifetime	DV	35% P or E or Econ	23%	-	32% 'Insults and threats'	12% 'Economic'	MH Reprod General	Medium
Summary of study design and details = Total 29 studies (41 papers)	Egypt 5 Iraq 1 Israel (Arabs) 1 Jordan 8 Lebanon 3 Jor+Leb 1 Morocco 1 Saudi Arabia 6 Sudan 1 Tunisia 1 UAE 1	Community 21 Hospital 7 Both 1 Women's health setting 16 General health setting 13 Refugee population 4				Sample size: min 82 max 3271	I:19 Q:10	Validated tool: 17 <i>WHO 7</i> <i>NORAQ 3</i> <i>AAS 2</i> <i>HITS 2</i> <i>WAST 1</i> <i>CTS-R 1</i> <i>USPSTF 1</i> Non-validated tool: 12		IPV 19 DV 6 Both 4	Any violence: 21 studies P+S+E 13 P+S 2 P+E 6	Physical violence: 25 studies	Sexual violence: 19 studies	Emotional and/or psychological violence: 25 studies	Control violence: 4 studies Economic violence: 8 studies	Health outcome: 19 studies MH: 12 Reprod: 12 General: 7	

Key: CS = cross sectional, R = random, CON = convenience, I= interview, Q=questionnaire, 12m= 12 months, PG=Pregnancy, LT= lifetime, IPV = intimate partner violence, DV = domestic violence, [DV] = paper also looked at DV but main results presented are for IPV, P = physical, S = sexual, E = emotional/psychological, Econ=economic, Jor= Jordan, Leb=Lebanon, MH= mental health, Reprod= reproductive health, General = general medical or health, N/A= data not appropriate/not used

* prevalence numbers taken from this paper if multiple papers from same study

† multiple papers from same study

‡ multiple papers from same study

§ multiple papers from same study

¶ multiple papers from same study

| multiple papers from same study

†† multiple papers from same study