Study	Country	Publication year	Subgroup	N Population	Response rate (%)	of HPV	HPV- cervical	Awareness of anti-HPV	Acceptability of anti-HPV (%) (%)	Current cervical cancer awareness, knowledge and screening intervention
						infection (%) Femal	cancer link (%)	vaccination (%)	vaccination	
Moosa (19)	Bahrain	2014	Women	571	99.0	31.3	NA	NA	91.3	HPV vaccines are already licensed
										HPV vaccine not been included in the national immunization programme Baseline data on HPV epidemiology and distribution of HPV types in Bahrain are lacking
Shaltout (20)	Egypt	2014	Women older than 18 years	490	90.4	33.2	NA	NA	99.0	HPV vaccines are already licensed HPV vaccine not been included in the national immunization programme Baseline epidemiological data are lacking No nationwide policy for HPV prevention is implemented
Al-nuaimi (16)	Emirates	2011	Secondary school girls (grade 11 and 12)	334	99.4	65.0	NA	NA	83.0	HPV vaccine is included in the national immunization programme for girls entering grade 11 Need for an educational programme for both parents and girls on HPV vaccine
Dany (13)	Lebanon	2015	College female students	215	42.0	NA	81.9	63.5	NA	HPV vaccines are already licensed HPV vaccine not been included in the national immunization programme Need to learn about the behavioural perceptions towards HPV vaccination as a first step to develop a health policy Need to launch educational programmes that offer guidance to adolescents to increase their awareness of the risks associated with HPV infection
Al-Obaid (25)	Saudi Arabia	2014	Women	417	76.0	NA	32.2	NA	89.9	HPV vaccine not been included in the national immunization programme The epidemiology of HPV amongst women in Saudi Arabia is not fully understood
Hussain (26)	Saudi Arabia	2016	Young women	325	NA	34-5	27.4	32.3	64.3	HPV vaccines are already licensed HPV vaccine not been included in the national immunization programme
Almobarak (31)	Sudan	2016	Women between 14 and 58 years old	500	NA	NA	46.4	39.2	NA	HPV vaccines are already licensed HPV vaccine not been included in the national immunization programme Cervical cancer screening programme coverage is still incomplete due to lack of infrastructures and trained healthcare professionals, poor health care access and lack of awareness
						Male	s			
Ortashi (15)	Emirates	2013	Male university students	356	71.0	31.0	25.0	NA	46.0	HPV vaccine is included in the national immunization programme for girls entering grade 11 An awareness and training campaign among health care providers was organized by the Health Authority of Abu Dhabi, and an extensive media campaign was also run; people were reached through the media and at work places
					Heal	lthcare clinicia	ns and students			
Ortashi (12)	Emirates	2012	School nurses	125	100.0	97.0	80.0	97.0	74.0	HPV vaccine is included in the national immunization programme for girls entering grade 11 An awareness and training campaign among health care providers was organized by the Health Authority of Abu Dhabi and an extensive media campaign was also run. People were reached through the media and at work places
Obeidat (21)	Jordan	2012	Female health care workers	187 female health care workers: (53 physicians, 92 nurses/ midwives, 42 others)	NA	NA	NA	26.0	NA	HPV vaccines are already licensed HPV vaccine not been included in the national immunization programme The uptake of cervical cancer screening is poor and is not nationally organized Need to develop educational programmes that will target these women
Berraho (22)	Могоссо	2013	Primary care physicians	87	77.7	NA	95.1	76.	NA	HPV vaccines are already licensed The initiation of a National Cancer Control Plan, have started in 2010 to implement organized screening programmes using for cervical cancer detection Adding HPV vaccine to the national immunization programme is not yet confirmed

Females: 53.2

Males: 45

NA

59.6

NA

NA

8.4

NA

Females: 27.2

Males: 38.7

48.5

NA

Mothers: 14.2

fathers: 14.8

NA

34.2

NA

HPV vaccines are already licensed

HPV vaccines are already licensed

HPV vaccines are already licensed

mainly focused on breast cancer

HPV vaccines are already licensed

Adding HPV vaccine to the national immunization programme still a future

HPV vaccines are already licensed

Adding HPV vaccine to the national immunization programme still a future

HPV vaccines are already licensed

immunization programme

infection and cervical cancer

HPV vaccines are already licensed

Adding HPV vaccine to the national immunization programme still a future

The initiation of a National Cancer Control

screening programmes for cervical cancer

Plan started in 2010 to implement organized

HPV vaccine not been included in the national

Need for health education and promotion campaign on the connection between HPV

The initiation of a national cancer control

screening programmes for cervical cancer

plan started in 2010 to implement organized

immunization programme

immunization programme

prevention and screening

immunization programme

cancer detection

perspective

detection

perspective

detection

posibility

HPV vaccine not been included in the national

HPV vaccine not been included in the national

Need for improvement in medicalteaching for medical students and continuing education of the doctors regarding cervical cancer

HPV vaccine not been included in the national

Most female cancer awareness campaigns are

The initiation of a National Cancer Control

Plan started in 2010 to implement organized screening programmes using for cervical

NA

50.0

NA

Mothers: 32

Mothers: 76.8

NA

Females: 20.4

Males: 62.0

Fathers: 68.9

fathers: 45

										Saudi Arabia is not fully understoo
Hussain (26)	Saudi Arabia	2016	Young women	325	NA	34-5	27.4	32.3	64.3	HPV vaccines are already licensed HPV vaccine not been included in immunization programme
Almobarak (31)	Sudan	2016	Women between 14 and 58 years old	500	NA	NA	46.4	39.2	NA	HPV vaccines are already licensed HPV vaccine not been included in immunization programme Cervical cancer screening program coverage is still incomplete due to of infrastructures and trained head professionals, poor health care according awareness
						Males				
Ortashi (15)	Emirates	2013	Male university students	356	71.0	31.0	25.0	NA	46.0	HPV vaccine is included in the nati immunization programme for girl grade 11 An awareness and training campa health care providers was organize the Health Authority of Abu Dhabi extensive media campaign was als people were reached through the re work places
					Healthe	are clinicians and	dstudents			

Al-Darwish (27)

Sait (29)

Shaikh (28)

Moualif (14)

Selmouni (23)

Alsaad (30)

Zouheir (24)

NA = not available.

Saudi Arabia

Saudi Arabia

Saudi Arabia

Morocco

Morocco

Syria

Morocco

Medical

students

Physicians

school

Female

university

(healthcare)

students

Parents

Parents

of girls

years

Mothers

daughters

and young

adults

Adolescents 1044 subjects:

688 (12-16

356 (18-30

years)

years)

in sixth

grade classes

with

aged 12-15

2014

2011

2014

2013

2015

2012

2015

188

200

1258

852

653 mothers;

659 fathers

345

96.8

80.0

89.9

NA

98.0

86.0

82.0

NA

NA

NA

Mothers:

Fathers: 6.6

Mothers: 9

Fathers: 6.6

18.0

20.0

Adolescents and young adults

4.2

Parents