



# **Knowledge Levels and Community Guidance of Doctors Working in Family Health Centers on HPV Screening and HPV Vaccination**

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# Introduction

**Human Papilloma Virus is a sexually transmitted DNA virus causes;**

- genital warts
- cervical cancer
- vulva, vagina, penis, oropharynx and anal canal cancers

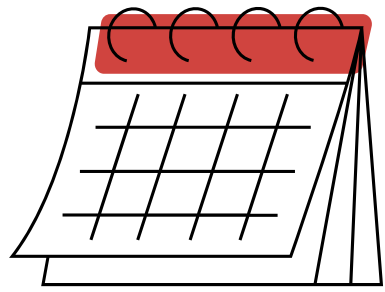
**Common types;**

- HPV 6, 11 causes *genital warts*
- HPV 16, 18 causes *cervical cancer*

**Screenings are made in;**

- Cancer Early Diagnosis, Screening and Education Centers
- Family Health Centers
- Community Health Centers

# Material & Method



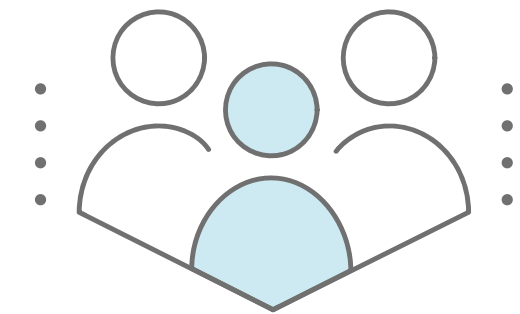
**June–September  
2022**

our questionnaire  
were filled between  
these dates via  
online platforms



**38 Questions**

based on;  
general knowledge,  
society guidance,  
approach



**113 Participants**

From approximately  
10 different cities with  
different age,  
experience and  
gender

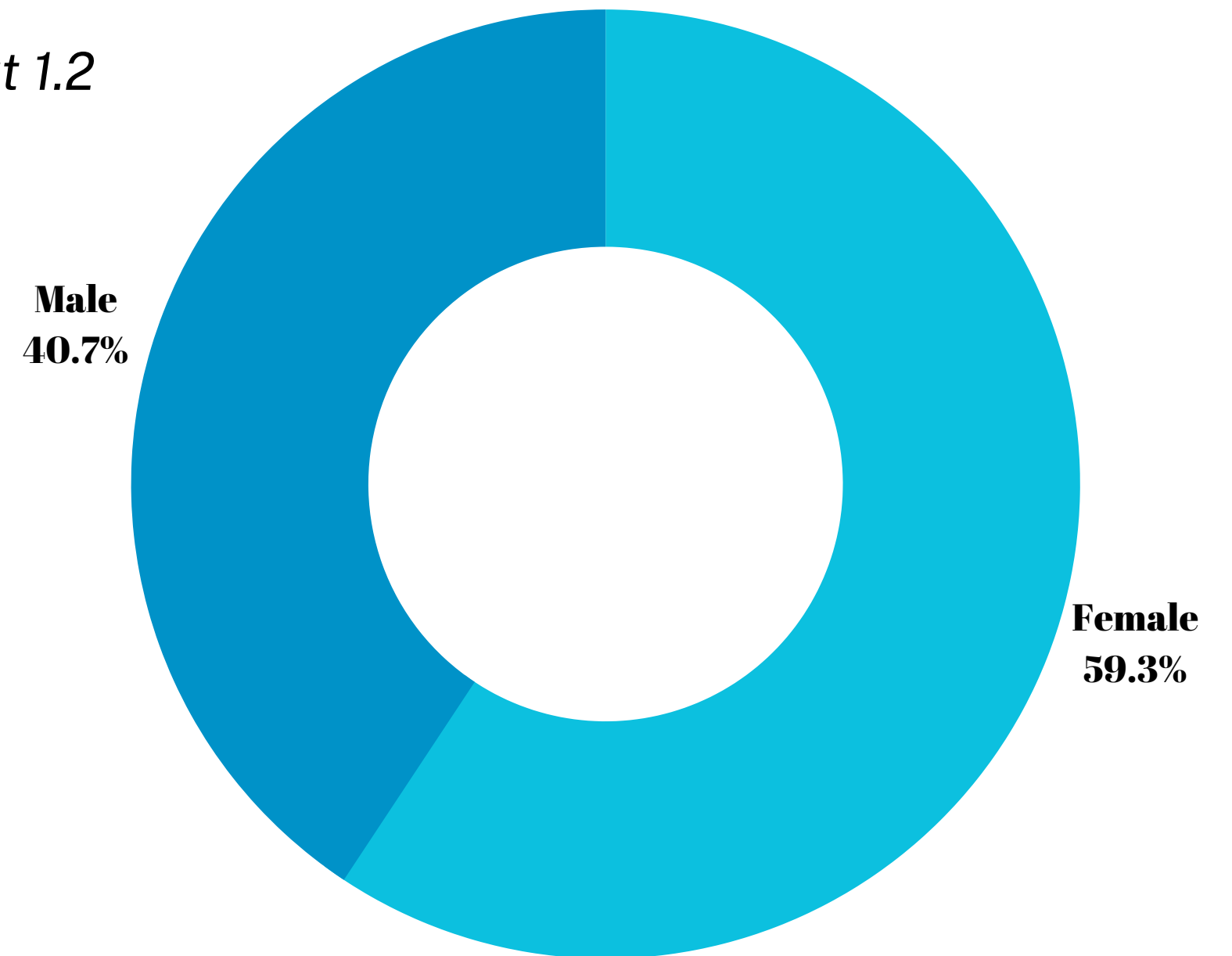
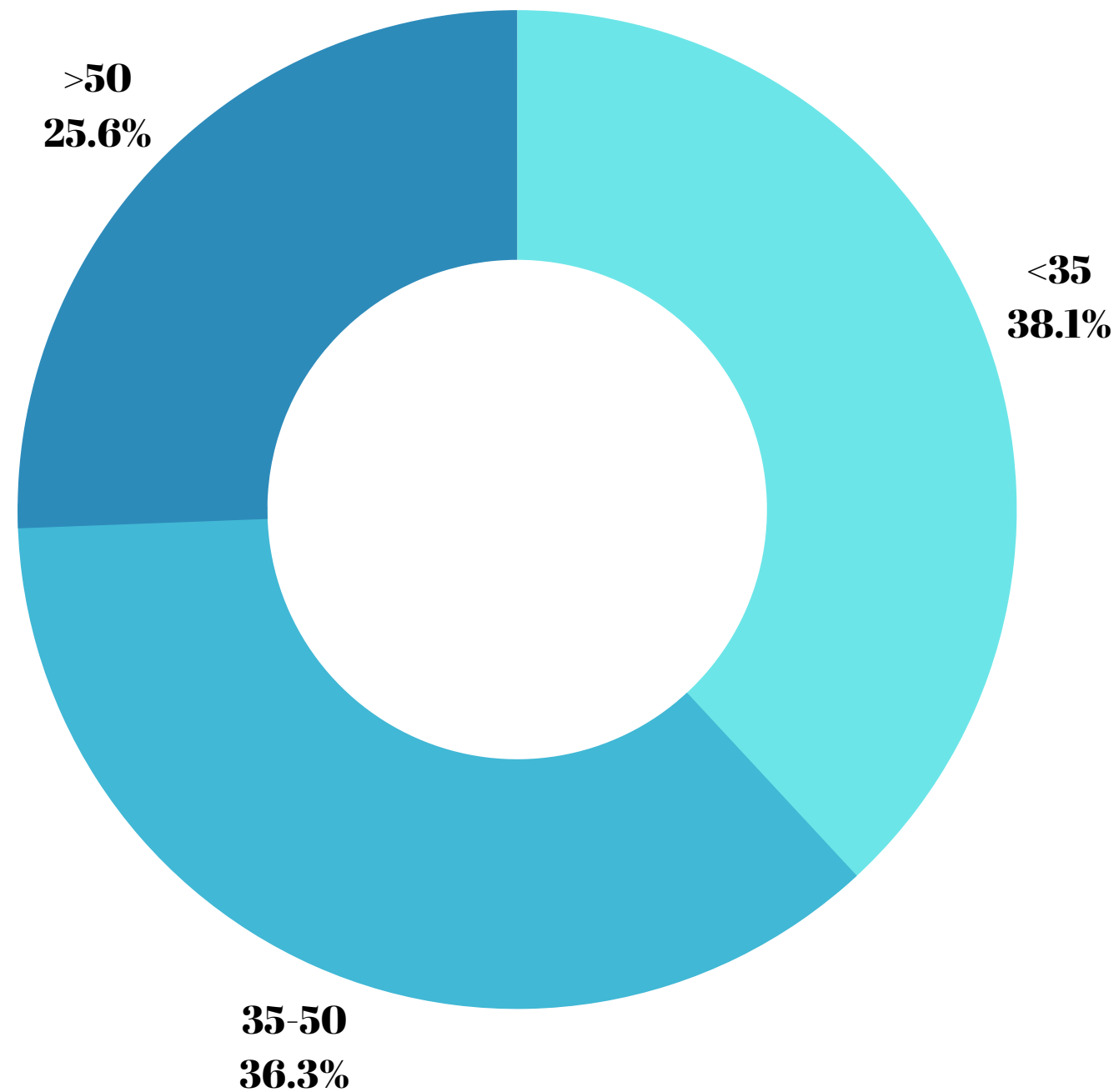
# Results

## Participants based on age differences

## Participants based on gender

Chart 1.1

Chart 1.2

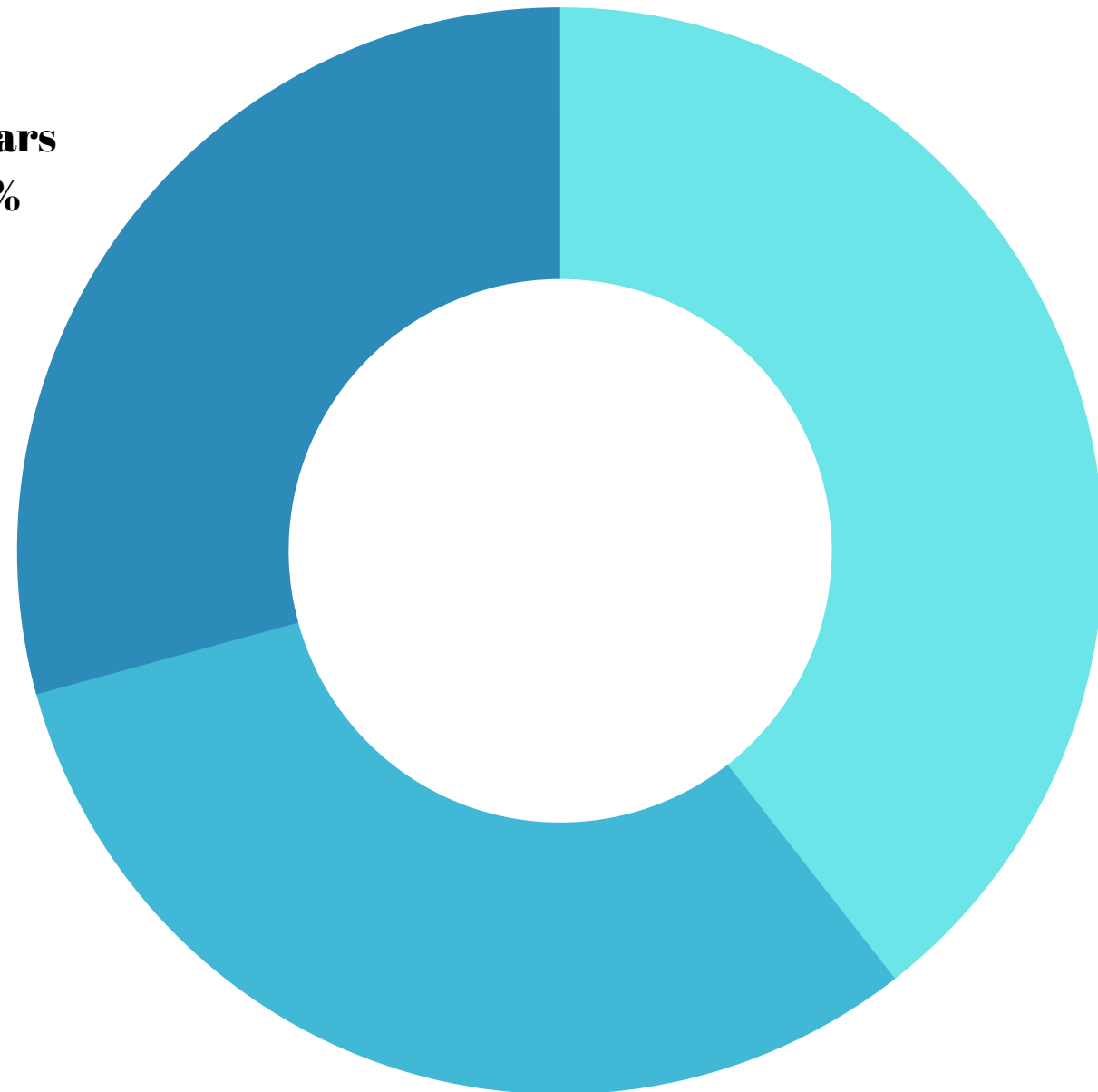


# Results

## Participants based on professional experience

Chart 1.3

**>20 years**  
**29.3%**



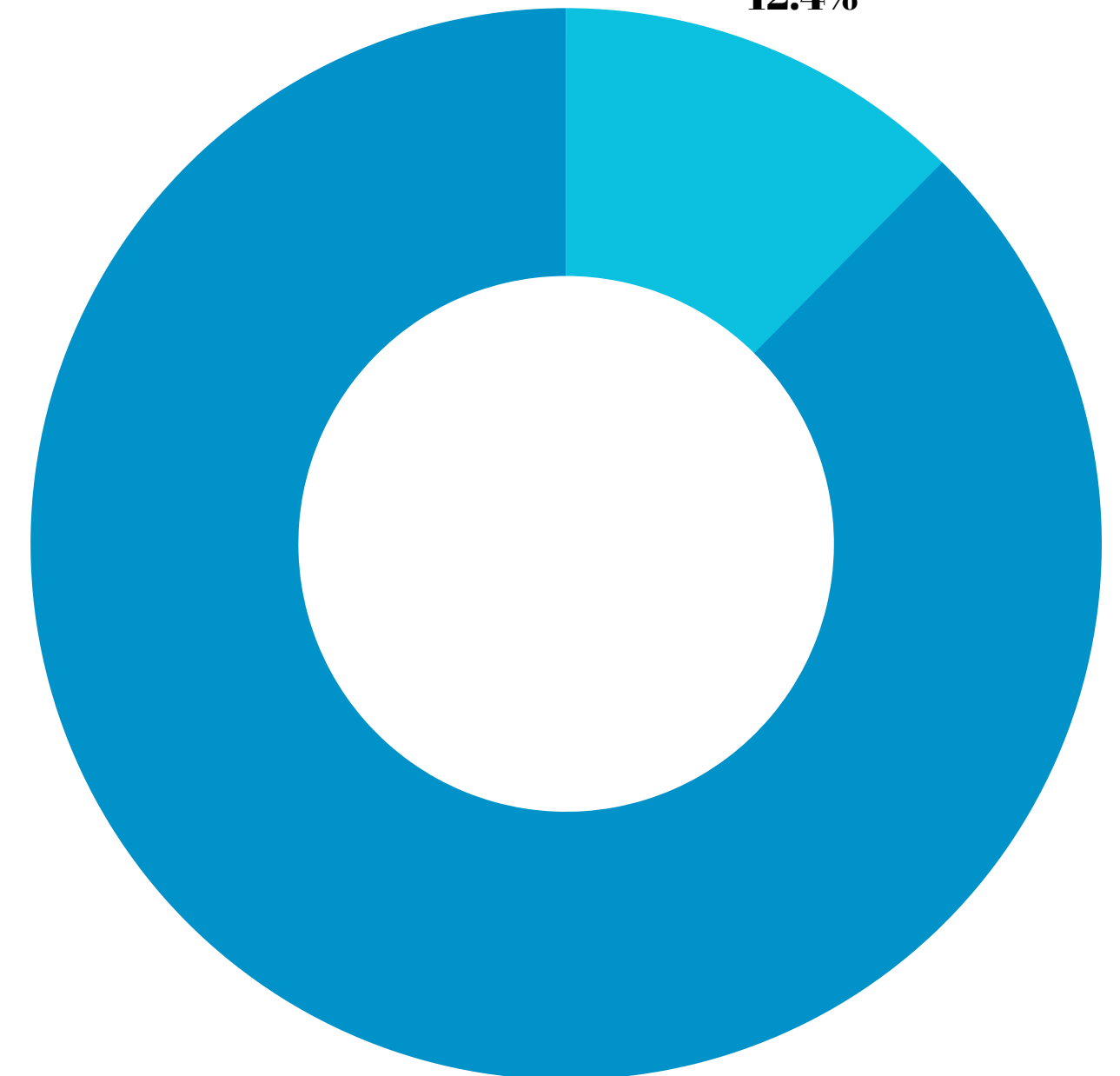
**10-20 years**  
**31.3%**

**<10 years**  
**39.4%**

## Participants based on vaccination status

Chart 1.4

**Yes**  
**12.4%**



**No**  
**87.6%**

# Results

## <35 years old participants

How many types of HPV are there?

p=0.007

Can HPV infect men?

p=0.032

# Results

**<10 years of professional experience**

How many types of HPV are there?	p=0.008
Can HPV infect men?	p=0.037



# Results

**In other questions;**  
**when age, gender and**  
**experience groups**  
**were evaluated,**  
**no statistically significant**  
**difference was found.**

**Table 2: Comparison of family physicians' knowledge about HPV screening and HPV vaccine according to gender, age and experience.**

Questions <u>n</u> (%)	Female (n=67)	Male (n=46)	P	Age (years) <35 (n=43)	Age (years) 35-50 (n=41)	Age (years) >50 (n=29)	P	Experince (years) <10 (n=39)	Experince (years) 10-20 (n=31)	Experince (years) >20 (n=43)	P
Can HPV be transmitted sexually?	66(98.5)	45(97.8)	0.787	42(97.7)	41(100)	28(96.6)	0.721	38(97.4)	31(100)	42(97.7)	1.000
What is the frequency of HPV in the population?	21(31.3)	10(21.7)	0.261	15(34.9)	10(24.4)	6(20.7)	0.384	14(35.9)	9(29)	8(18.6)	0.206
Do multiple sexual partners increase the risk of HPV?	67(100)	46(100)	-	43(100)	41(100)	29(100)	-	39(100)	31(100)	43(100)	-
Does using a condom reduce the risk of HPV?	63(94)	41(89.1)	0.345	38(88.4)	38(92.7)	28(96.6)	0.513	34(87.2)	30(96.8)	40(93)	0.337
Does sexual intercourse at an early age increase the risk of HPV?	59(88.1)	36(78.3)	0.162	37(86)	35(85.4)	23(79.3)	0.763	33(84.6)	27(87.1)	35(81.4)	0.810
HPV causes genital warts.	65(97)	46(100)	0.513	42(97.7)	41(100)	28(96.6)	0.721	38(97.4)	31(100)	42(97.7)	1.000
Does HPV cause cervical cancer?	67(100)	45(97.8)	0.407	43(100)	40(97.6)	29(100)	0.619	39(100)	31(100)	42(97.7)	1.000
Can HPV cause other types of cancer?	49(73.1)	35(76.1)	0.724	32(74.4)	33(80.5)	19(65.5)	0.353	29(74.4)	26(83.9)	29(67.4)	0.281
Can a person live for years without knowing that they have an HPV infection?	65(97)	43(93.5)	0.396	41(95.3)	40(97.6)	27(93.1)	0.847	37(94.9)	30(96.8)	41(95.3)	1.000
How many types of HPV are there?	15(22.4)	12(26.1)	0.651	17(39.5)	7(17.1)	3(10.3)	0.007*	16(41)	5(16.1)	6(14)	0.008*
Can HPV be treated with antibiotic/antiviral therapy?	41(61.2)	29(63)	0.842	25(58.1)	25(61)	20(69)	0.668	20(51.3)	20(64.5)	30(69.8)	0.226
Does HPV usually resolve without treatment?	20(29.9)	10(21.7)	0.337	13(30.2)	9(22)	8(27.6)	0.714	10(25.6)	9(29)	11(25.6)	0.928
Can HPV infect men?	61(91)	41(89.1)	0.756	42(97.7)	36(87.8)	24(82.8)	0.032*	38(97.4)	28(90.3)	36(83.7)	0.037*
Are HPV symptoms always visible?	62(92.5)	44(95.7)	0.699	41(95.3)	38(92.7)	27(93.1)	0.894	37(94.9)	29(93.5)	40(93)	1.000
What is the recommended upper age limit for HPV vaccine?	13(19.4)	9(19.6)	0.983	8(18.6)	7(17.1)	7(24.1)	0.793	6(15.4)	7(22.6)	9(20.9)	0.692
What is the target population for HPV Vaccine?	54(80.6)	31(67.4)	0.110	32(74.4)	34(82.9)	19(65.5)	0.251	29(74.4)	26(83.9)	30(69.8)	0.376
How many doses of HPV vaccine are administered between the ages of 9-14 at which intervals?	45(67.2)	26(56.5)	0.250	23(53.5)	29(70.7)	19(65.5)	0.257	22(56.4)	20(64.5)	29(67.4)	0.607
How many doses of HPV vaccine are administered at the age of 15 and over, at which intervals?	45(67.2)	25(54.3)	0.168	27(62.8)	26(63.4)	17(58.6)	0.939	24(61.5)	21(67.7)	25(58.1)	0.712
Is it necessary to screen for cervical cancer in someone who has the HPV Vaccine?	60(89.6)	40(87)	0.671	39(90.7)	37(90.2)	24(82.8)	0.568	35(89.7)	30(96.8)	35(81.4)	0.119
The HPV vaccine protects against many types of HPV which makes cervical cancer.	63(94)	41(89.1)	0.345	41(95.3)	36(87.8)	27(93.1)	0.463	37(94.9)	28(90.3)	39(90.7)	0.748
HPV vaccine is protective against genital warts.	50(74.6)	39(84.8)	0.195	32(74.4)	33(80.5)	24(82.8)	0.705	31(79.5)	21(67.7)	37(86)	0.165
Should only girls be vaccinated?	55(82.1)	38(82.6)	0.943	39(90.7)	33(80.5)	21(72.4)	0.128	35(89.7)	24(77.4)	34(79.1)	0.318
Are there any side effects of the HPV Vaccine?	15(22.4)	17(37)	0.091	14(32.6)	13(31.7)	5(17.2)	0.336	12(30.8)	11(35.5)	9(20.9)	0.367
T.C. How is cervical cancer screening done between the ages of 30-65 according to the guidelines of the Ministry of Health?	30(44.8)	20(43.5)	0.891	22(51.2)	16(39)	12(41.4)	0.534	20(51.3)	12(38.7)	18(41.9)	0.554

All values are expressed as n (%)

p < 0.05 significant difference, comparison of all groups

# Conclusion



## First Survey

First scientific work in order to evaluate awareness and knowledge levels of first step doctors nationally

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## Similar Knowledge and Approach

We observed that different groups of FHC doctors have similar knowledge levels, guidance and approach to HPV

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## Is That Enough?

We believe that our doctors should learn more about this important public health issue and play a more crucial role in order to end virus related cancers

***With our greatest hopes to end  
HPV related cancers...***

**Any questions / contributions?**



**Thank You for Listening!**