**Supplementary Table S1**

|  | **HPV knowledge****(total)** | **General HPV knowledge** | **HPV screening test****knowledge** | **HPV vaccination****knowledge** |
| --- | --- | --- | --- | --- |
| **Mean±SD** | **Test and Significance** | **Mean±SD** | **Test and Significance** | **Mean±SD** | **Test and Significance** | **Mean±SD** | **Test and Significance** |
| **Sex**FemaleMale | 7.18±7.476.01±6.50 | T= 2.37**P=0.010** | 4.90±4.544.31±4.20 | T=1.98**P=0.041** | 0.87±1.440.68±1.27 | T=1.99**P= 0.042** | 1.40±2.051.01±1.65 | T=2.98**P=0.003** |
| **Region**WestSouthCentralEastNorth | 6.83±6.336.53±6.356.43±6.086.70±6.186.64±6.59 | KW=2.54P=0.323 | 5.09±4.595.76±4.085.32±4.605.00±.4395.13±4.22 | KW=3.87P=0.230 | 0.75±1.290.78±1.810.78±1.270.78±1.410.74±1.22 | KW=5.67 P=0.081 | 1.39±1.821.21±1.421.31±2.021.52±1.911.40±1.67 |   KW=3.10 P=0.203 |
| **Place of family’s residence**RuralUrban | 6.59±7.056.77±7.16 | T=-0.28P=0.772 | 4.79±4.634.66±4.38 | T=-0.32P=0.743 | 0.78±1.270.80±1.40 | T=-0.19P=0.842 | 1.01±1.681.30±1.97 | T=-1.66P=0.071 |
| **Faculty**Health SciencesOthers | 14.31±8.335.30±5.87 | T=15.00**P<0.000** | 8.87±4.593.88±3.91 | T=11.70**P<0.000** | 2.21±1.940.53±1.05 | T=14.39**P<0.000** | 3.21±2.400.88±1.56 | T=14.24**P<0.000** |
| **Class (year)**123≥4 | 2.36±3.275.55±5.486.07±6.689.97±8.35 |   KW= 111.89 **P<0.000** | 2.05±2.693.29±3.134.32±4.196.47±4.92 |   KW=103.24 **P<0.000** | 0.09±0.360.51±1.060.71±1.271.41±1.81 |   KW=95.74 **P<0.000** | 0.21±0.730.80±0.871.03±1.792.08±2.27 |   KW=116.11 **P<0.000** |
| **Perception of income**GoodAverageBad | 8.59±7.596.64±7.224.62±5.19 |   KW=18.79**P<0.000** | 6.06±4.644.48±4.413.69±3.67 |  KW=21.93 **P<0.000** | 0.98±1.460.83±1.430.38±0.84 |  KW=13.63**P=0.012** | 1.55±2.171.31±1.930.54±1.25 |  KW=20.13**P<0.000** |
| **History of genital cancer in the family**YesNo | 5.65±7.716.78±7.12 | T=-0.79P=0.421 | 3.92±4.504.70±4.42 | T=-0.89P=0.379 | 0.65±1.090.80±1.39 | T=-0.55P=0.573 | 1.07±2.271.26±1.91 | T=-0.48P=0.628 |
| **Ever had sex**YesNo | 8.25±7.426.25±6.98 | T=3.48**P= 0.001** | 5.80±4.564.32±4.32 | T= 4.15**P<0.000** | 1.01±1.520.7±1.32 | T=2.28**P=0.023** | 1.44±1.921.19±1.92 | T=3.60**P=0.012** |
| **Age at first sexual intercourse**16-18**≥19** | 7.56±6.838.92±7.61 | T=-1.22P=0.212 | 5.47±4.306.18±4.60 | T=-1.04P=0.290 | 1.00±1.611.03±1.48 | T=-0.15P=0.800 | 1.09±1.691.71±2.01 | T=-1.13P=0.051 |
| **Physician visit within last year**Gynaecologist/urologistTo other doctorNo  | 10.79±8.836.53±6.796.38±7.28 |  KW=12.74 **P=0.002** | 7.22±4.804.64±4.274.26±4.52 |  KW=15.70**P=0.010** | 1.36±1.840.75±1.320.79±1.38 |  KW=7.68 **P=0.010** | 2.20±2.661.13±1.831.33±1.89 |  KW=7.99**P=0.010** |
| **Willing to receive HPV vaccination**YesNo ideaNo | 13.72±7.194.62±6.306.20±6.27 | KW=142.70 **P<0.000** | 8.75±3.843.21±4.064.57±4.03 | KW=138.34**P<0.000** | 1.90±1.730.52±1.150.66±1.24 | KW=117.81**P<0.000** | 3.06±2.240.87±1.580.96±1.72 | KW=124.44 **P<0.000** |