**Epidemiology and Infection**

Annual Prevalence and Economic Burden of Genital Warts in Korea: Health Insurance Review and Assessment (HIRA) Service Data from 2007 to 2015

*Y.J. Park, J.M. Kim, B.R. Lee, T.H. Kim,E.G. Lee*

**Supplementary Material**

**Supplementary Table S1.** Prevalence of Anogenital Warts in Korea, 2007 to 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Age-standardized prevalence rates per 100,000\* (%)** |  |  |  |
| **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **APC** | **(95% CI)** | **p-value** |
| **No. of AGW patients (%)** |
| All | 51.1 | 58.9 | 65.2 | 70.7 | 79.1 | 82.3 | 87.5 | 94.6 | 98.0 | 8.3 | (7.0, 9.6) | <0.001 |
| Male | 54.6 | 62.2 | 71.7 | 77.8 | 90.3 | 96.3 | 108.1 | 123.0 | 130.5 | 11.6 | (10.7, 12.4) | <0.001 |
| Female | 47.8 | 55.6 | 58.7 | 63.6 | 67.9 | 68.3 | 66.9 | 66.0 | 65.2 | 3.6 | (1.2, 6.0) | 0.009 |
| < 10 yrs | 7.5 | 7.6 | 7.7 | 7.1 | 5.6 | 5.0 | 5.5 | 4.8 | 4.1 | -7.7 | (-10.1, -5.3) | <0.001 |
| 10-19 yrs | 19.3 | 24.4 | 27.0 | 30.0 | 31.6 | 31.7 | 29.4 | 30.7 | 31.6 | 4.9 | (1.6, 8.4) | 0.01 |
| 20-29 yrs | 154.7 | 178.6 | 204.2 | 223.1 | 253.2 | 263.9 | 274.5 | 284.2 | 286.3 | 8.0 | (5.8, 10.3) | <0.001 |
| 30-39 yrs | 90.4 | 104.7 | 114.5 | 122.6 | 142.1 | 151.3 | 168.8 | 192.2 | 206.1 | 10.7 | (10.0, 11.4) | <0.001 |
| 40-49 yrs | 41.9 | 46.5 | 51.1 | 55.5 | 61.4 | 63.5 | 68.2 | 78.1 | 79.4 | 8.4 | (7.5, 9.2) | <0.001 |
| 50-59 yrs | 20.2 | 24.3 | 25.3 | 26.7 | 27.5 | 27.4 | 30.4 | 30.7 | 33.0 | 5.2 | (3.8, 6.7) | <0.001 |
| 60-69 yrs | 13.8 | 15.7 | 15.8 | 18.7 | 17.7 | 17.0 | 17.1 | 17.8 | 18.8 | 2.8 | (0.8, 4.9) | 0.013 |
| 70-79 yrs | 12.6 | 11.6 | 10.9 | 11.9 | 12.4 | 12.7 | 11.1 | 10.6 | 12.4 | -0.4 | (-2.5, 1.8) | 0.702 |
| ≥ 80 yrs | 7.4 | 7.4 | 7.6 | 8.0 | 6.4 | 6.1 | 5.9 | 6.3 | 7.0 | -2.4 | (-5.1, 0.4) | 0.083 |
| **No. of AGW patients among males (%)** |
| < 10 yrs | 7.0 | 7.6 | 6.9 | 7.7 | 5.5 | 4.6 | 4.8 | 4.5 | 4.1 | -7.8 | (-10.8, -4.7) | 0.001 |
| 10-19 yrs | 10.6 | 14.2 | 15.9 | 17.1 | 17.4 | 18.9 | 16.9 | 18.5 | 19.9 | 6.0 | (2.6, 9.6) | 0.004 |
| 20-29 yrs | 134.9 | 150.2 | 178.5 | 192.3 | 226.0 | 244.2 | 276.4 | 304.1 | 314.6 | 11.7 | (10.4, 13) | <0.001 |
| 30-39 yrs | 111.5 | 129.7 | 148.9 | 163.8 | 197.7 | 213.4 | 250.4 | 296.8 | 322.3 | 14.3 | (13.5, 15.2) | <0.001 |
| 40-49 yrs | 48.6 | 55.1 | 64.5 | 68.3 | 80.8 | 84.3 | 90.2 | 107.4 | 110.7 | 10.8 | (9.5, 12.2) | <0.001 |
| 50-59 yrs | 23.7 | 28.7 | 31.7 | 33.6 | 35.7 | 36.9 | 40.7 | 41.2 | 44.3 | 7.2 | (5.6, 8.9) | <0.001 |
| 60-69 yrs | 20.3 | 22.9 | 23.8 | 27.3 | 25.9 | 24.4 | 23.5 | 24.6 | 28.6 | 2.5 | (0.0, 5.0) | 0.052 |
| 70-79 yrs | 23.1 | 19.1 | 19.1 | 22.5 | 22.7 | 23.7 | 19.5 | 17.5 | 20.0 | -1.2 | (-4.4, 2.1) | 0.407 |
| ≥ 80 yrs | 20.2 | 19.8 | 21.7 | 26.4 | 14.0 | 12.6 | 14.1 | 14.7 | 18.6 | -4.6 | (-11.0, 2.2) | 0.148 |
| **No. of AGW patients among females (%)** |
| < 10 yrs | 8.1 | 7.7 | 8.6 | 6.5 | 5.8 | 5.4 | 6.3 | 5.2 | 4.0 | -7.7 | (-10.9, -4.4) | 0.001 |
| 10-19 yrs | 29.2 | 35.8 | 39.4 | 44.4 | 47.5 | 46.0 | 43.2 | 44.1 | 44.4 | 4.3 | (0.9, 7.9) | 0.021 |
| 20-29 yrs | 175.6 | 208.8 | 231.7 | 256.3 | 282.6 | 285.3 | 272.5 | 262.4 | 254.9 | 4.4 | (0.9, 8.1) | 0.021 |
| 30-39 yrs | 68.5 | 78.7 | 78.7 | 79.6 | 84.4 | 86.7 | 84.0 | 83.3 | 85.1 | 2.1 | (0.7, 3.5) | 0.01 |
| 40-49 yrs | 34.9 | 37.6 | 37.3 | 42.2 | 41.2 | 42.1 | 45.4 | 47.9 | 47.0 | 3.9 | (2.9, 4.9) | <0.001 |
| 50-59 yrs | 16.7 | 19.8 | 18.8 | 19.8 | 19.3 | 17.9 | 19.9 | 20.1 | 21.5 | 1.8 | (0.0, 3.7) | 0.051 |
| 60-69 yrs | 8.2 | 9.3 | 8.7 | 11.0 | 10.2 | 10.1 | 11.2 | 11.4 | 9.6 | 2.9 | (0.1, 5.7) | 0.044 |
| 70-79 yrs | 6.0 | 6.7 | 5.4 | 4.6 | 5.3 | 4.9 | 5.0 | 5.6 | 6.7 | -0.4 | (-4.6, 4.1) | 0.855 |
| ≥ 80 yrs | 2.1 | 2.3 | 1.8 | 0.6 | 3.3 | 3.4 | 2.5 | 2.7 | 2.0 | 4.3 | (-11.3, 22.6) | 0.557 |

\* Abbreviation: APC, annual percent change; CI, confidence interval; AGW, anogenital warts; yrs, years.

\*Adjusted to Residence-registration mid-year population in 2011.