**Supplemental Table 1.** Prevalence of individual human papillomavirus (HPV) types among females, by age, NHANES, 2003–2006 and 2011–2014.

**A. 14–19 year old females**

|  |  |  |
| --- | --- | --- |
| HPV Type | Pre-vaccine Era2003–2006Prevalence (95% CI) | Vaccine Era2011–2014Prevalence (95% CI) |
|  6\* | 5.4 (3.8-7.6) | 1.5 (0.6-3.6)† |
|  11\* | 1.0 (0.5-2.2)† | 0.1 (0.0-0.7)‡ |
|  16\* | 6.0 (4.6-7.9) | 1.0 (0.4-2.8)‡ |
| 18 | 1.6 (1.1-2.5) | 0.9 (0.4-2.2)† |
| 26 | 0.2 (0.1-0.5)† | 0.2 (0.1-1.1)‡ |
| 31 | 2.8 (1.6-4.6) | 1.3 (0.5-3.4)† |
| 33\* | 0.5 (0.2-1.0)† | 0.1 (0.0-0.5)‡ |
| 35 | 1.1 (0.6-2.0) | 0.8 (0.2-2.5)‡ |
| 39 | 3.3 (2.2-5.0) | 4.4 (2.7-7.2) |
|  40\* | 1.9 (1.1-3.3) | 0.6 (0.2-1.8)‡ |
| 42 | 2.6 (1.8-3.8) | 4.2 (2.4-7.1) |
| 45 | 1.4 (0.8-2.6) | 1.3 (0.6-2.8)† |
| 51 | 5.5 (4.1-7.4) | 4.9 (3.0-7.9) |
| 52 | 3.8 (2.5-5.6) | 2.1 (1.3-3.6) |
| 53 | 4.2 (3.0-6.0) | 2.1 (0.9-4.5)† |
| 54 | 2.3 (1.5-3.6) | 3.5 (1.8-6.7)† |
| 55 | 1.3 (0.8-2.1) | 1.6 (0.8-3.1)† |
|  56\* | 3.4 (2.2-5.2) | 0.9 (0.5-2.0)† |
| 58 | 1.9 (1.1-3.4) | 1.2 (0.7-2.1) |
| 59 | 3.2 (2.1-4.7) | 2.4 (1.3-4.4) |
| 61 | 3.0 (1.9-4.7) | 1.5 (0.8-2.8)† |
| 62 | 2.9 (1.8-4.4) | 2.7 (1.3-5.5)† |
| 64 | 0.2 (0.1-0.6)† | 0 |
| 66 | 4.9 (3.5-6.7) | 3.4 (2.1-5.7) |
| 67 | 2.2 (1.3-3.5) | 2.9 (2.0-4.4) |
| 68 | 1.2 (0.7-2.1) | 1.7 (0.8-3.6)† |
| 69 | 0.3 (0.1-0.7)‡ | 0 |
| 70 | 0.5 (0.3-0.9) | 0.4 (0.2-0.9)† |
| 71 | 0.3 (0.1-0.9)† | 0.2 (0.0-0.7)‡ |
| 72 | 0.4 (0.1-1.2)‡ | 0.2 (0.1-0.8)‡ |
| 73 | 1.6 (1.1-2.5) | 1.2 (0.5-2.8)† |
| 81 | 1.2 (0.7-2.0) | 1.6 (0.7-3.4)† |
| 82 | 1.0 (0.5-1.9)† | 1.9 (0.9-3.9)† |
| 83 | 1.1 (0.6-1.9) | 1.6 (0.7-3.6)† |
|  84\* | 6.5 (5.1-8.3) | 4.0 (2.9-5.5) |
| 89 | 5.1 (3.8-6.8) | 4.4 (2.8-6.9) |
| IS-39 | 0.0 (0.0-0.3)‡ | 0.2 (0.1-0.8)‡ |

**\***p<0.05, comparing 2011–2014 to 2003–2006; †RSE >30 to 50%; ‡ RSE >50%

**B. 20–24 year old females**

|  |  |  |
| --- | --- | --- |
| HPV Type | Pre-vaccine Era2003–2006Prevalence (95% CI) | Vaccine Era2011–2014Prevalence (95% CI) |
|  6\* | 3.7 (2.4-5.7) | 0.4 (0.1-1.0)‡ |
| 11 | 0.4 (0.1-3.3)‡ | 0.2 (0.0-1.3)‡ |
|  16\* | 12.5 (9.0-17.0) | 5.7 (3.7-8.8) |
|  18\* | 3.6 (2.1-6.1) | 1.0 (0.4-2.5)† |
| 26 | 0.4 (0.1-1.5)‡ | 0.1 (0.0-0.8)‡ |
| 31 | 2.6 (1.3-5.1)† | 1.9 (1.0-3.7)† |
| 33 | 3.8 (1.9-7.7)† | 0.9 (0.2-3.6)‡ |
| 35 | 3.2 (1.7-6.2)† | 4.5 (2.8-7.3) |
| 39 | 6.2 (4.2-9.1) | 5.9 (3.5-9.6) |
| 40 | 1.4 (0.5-3.9)‡ | 2.6 (1.2-5.5)† |
| 42 | 4.6 (2.7-8.0) | 6.4 (4.3-9.2) |
| 45 | 2.0 (0.8-4.9)† | 2.1 (1.1-3.9)† |
| 51 | 5.4 (3.4-8.6) | 8.1 (5.7-11.3) |
| 52 | 8.0 (5.1-12.2) | 6.9 (4.2-11.1) |
| 53 | 10.0 (6.7-14.5) | 12.5 (9.0-17.2) |
| 54 | 5.1 (3.2-8.2) | 7.2 (5.2-9.9) |
| 55 | 3.4 (1.3-8.2)† | 3.3 (2.1-5.2) |
| 56 | 4.4 (2.2-8.7)† | 3.6 (2.2-5.6) |
| 58 | 3.0 (1.7-5.4) | 2.7 (1.3-5.7)† |
| 59 | 6.0 (3.5-10.2) | 4.4 (2.5-7.5) |
| 61 | 5.2 (3.1-8.6) | 6.4 (4.6-8.8) |
| 62 | 10.4 (6.6-15.9) | 7.7 (5.4-10.9) |
| 64 | 0 | 0 |
| 66 | 6.5 (3.8-10.8) | 8.3 (4.8-14.1) |
| 67 | 3.2 (1.6-6.4)† | 2.2 (1.0-4.8)† |
| 68 | 2.4 (1.2-4.8)† | 2.7 (1.6-4.5) |
| 69 | 0.4 (0.1-3.0)‡ | 0.3 (0.1-1.0)‡ |
| 70 | 2.0 (1.2-3.3) | 4.5 (2.4-8.2)† |
| 71 | 0.0 (0.0-0.1)‡ | 0.3 (0.1-1.4)‡ |
| 72 | 0.6 (0.2-2.4)‡ | 1.1 (0.3-3.7)‡ |
|  73\* | 0.9 (0.4-2.0)† | 4.8 (3.6-6.4) |
| 81 | 2.5 (1.3-4.7)† | 3.1 (1.6-6.2)† |
| 82 | 2.0 (0.8-5.0)† | 1.8 (0.7-4.1)† |
| 83 | 4.1 (2.0-8.1)† | 4.1 (2.8-5.7) |
| 84 | 8.5 (5.5-12.7) | 9.7 (6.5-14.4) |
| 89 | 7.3 (5.7-9.3) | 9.3 (6.6-12.8) |
| IS-39 | 0.5 (0.1-3.6)‡ | 0.6 (0.2-2.0)‡ |

**\***p<0.05, comparing 2011–2014 to 2003–2006; †RSE >30 to 50%; ‡ RSE >50%