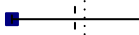

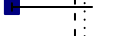

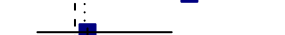


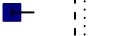

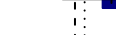



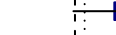


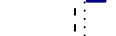






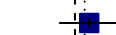












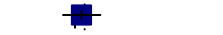





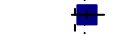
















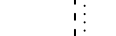

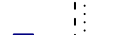

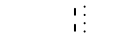

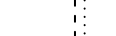





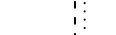


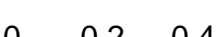


| Study  | HPV+ Cases | Total | Prevalence | 95% C.I.     |   |
|--|------------|-------|------------|--------------|---|
| Allen et al., 2010   | 0          | 6     | 0.00       | [0.00; 0.29] |     |
| Al-Ebrah et al., 2021  | 2          | 7     | 0.29       | [0.05; 0.66] |    |
| Alahmat et al., 2021   | 0          | 11    | 0.00       | [0.00; 0.18] |    |
| De Vuyst et al., 2003  | 3          | 12    | 0.25       | [0.07; 0.54] |    |
| Chong et al., 2010   | 9          | 23    | 0.39       | [0.21; 0.60] |    |
| Chell et al., 2007   | 4          | 24    | 0.17       | [0.06; 0.35] |    |
| Chisendenbal et al., 2018  | 9          | 25    | 0.36       | [0.19; 0.56] |    |
| Deluñez–Troconis et al., 2009  | 6          | 25    | 0.24       | [0.10; 0.43] |    |
| Decker et al., 1991  | 0          | 33    | 0.00       | [0.00; 0.05] |    |
| Elhmadi et al., 2020   | 6          | 40    | 0.15       | [0.06; 0.28] |    |
| Castellsague et al., 2001  | 9          | 41    | 0.22       | [0.11; 0.36] |    |
| Joia Assoumou et al., 2016   | 28         | 42    | 0.67       | [0.52; 0.80] |    |
| Mathro et al., 2009  | 3          | 44    | 0.07       | [0.01; 0.17] |    |
| Meradhaoui et al., 2016  | 8          | 47    | 0.17       | [0.08; 0.30] |    |
| Polako..lu et al., 2017  | 23         | 52    | 0.44       | [0.31; 0.58] |    |
| Rezcan et al., 2014  | 13         | 53    | 0.25       | [0.14; 0.37] |    |
| Robetz et al., 2012  | 10         | 54    | 0.19       | [0.10; 0.30] |    |
| Giuliano et al., 2001  | 3          | 68    | 0.04       | [0.00; 0.11] |    |
| Lioliaki et al., 2014  | 13         | 70    | 0.19       | [0.11; 0.29] |    |
| Monkoh et al., 2022  | 26         | 71    | 0.37       | [0.26; 0.48] |    |
| Mudderis et al., 2019  | 13         | 73    | 0.18       | [0.10; 0.28] |   |
| Nai et al., 2006   | 13         | 91    | 0.14       | [0.07; 0.22] |  |
| Noufit et al., 2016  | 40         | 91    | 0.44       | [0.33; 0.54] |  |
| Roser et al., 2013   | 24         | 98    | 0.24       | [0.17; 0.34] |  |
| Saloch et al., 2017  | 18         | 108   | 0.17       | [0.10; 0.25] |  |
| Putta et al., 2012   | 11         | 114   | 0.10       | [0.04; 0.15] |  |
| Stamlin–Douglas et al., 2008   | 24         | 121   | 0.20       | [0.13; 0.28] |  |
| Brotherton et al., 2015  | 23         | 135   | 0.17       | [0.11; 0.23] |  |
| Giuliano et al., 2005  | 9          | 149   | 0.06       | [0.03; 0.11] |  |
| Shen et al., 2021  | 21         | 153   | 0.14       | [0.09; 0.20] |  |
| Schmitt et al., 2013   | 66         | 196   | 0.34       | [0.27; 0.40] |  |
| Li et al., 2011  | 13         | 208   | 0.06       | [0.03; 0.10] |  |
| Long et al., 2015  | 30         | 212   | 0.14       | [0.08; 0.18] |  |
| Demers et al., 2012  | 20         | 213   | 0.09       | [0.06; 0.14] |  |
| Shakya et al., 2017  | 30         | 232   | 0.13       | [0.09; 0.17] |  |
| Chan et al., 2002  | 7          | 235   | 0.03       | [0.00; 0.03] |  |
| Mouho et al., 2016   | 124        | 240   | 0.52       | [0.45; 0.59] |  |
| Lin et al., 2010   | 22         | 243   | 0.09       | [0.06; 0.13] |  |
| López Rivera et al., 2012  | 23         | 248   | 0.09       | [0.06; 0.13] |  |
| Centurioni et al., 2005  | 41         | 264   | 0.16       | [0.06; 0.16] |  |
| Demirci et al., 2019   | 63         | 282   | 0.22       | [0.17; 0.27] |  |
| Thomas et al., 2004  | 73         | 293   | 0.25       | [0.20; 0.30] |  |
| Gravitt et al., 2013   | 46         | 300   | 0.15       | [0.11; 0.19] |  |
| Booi et al., 2018  | 52         | 305   | 0.17       | [0.13; 0.21] |  |
| Hernandez–Rosas et al., 2021   | 19         | 313   | 0.06       | [0.04; 0.09] |  |
| Richter et al., 2013   | 137        | 325   | 0.42       | [0.37; 0.48] |  |
| Salanda et al., 2016   | 27         | 349   | 0.08       | [0.05; 0.11] |  |
| Mansal et al., 2014  | 26         | 362   | 0.07       | [0.05; 0.10] |  |
| Tip et al., 2010   | 51         | 400   | 0.13       | [0.09; 0.16] |  |
| Llerrero et al., 2000  | 69         | 417   | 0.17       | [0.13; 0.20] |  |
| Costa et al., 2011   | 24         | 424   | 0.06       | [0.04; 0.08] |  |
| Castellsague et al., 2012  | 32         | 454   | 0.07       | [0.04; 0.09] |  |
| Lin et al., 2014   | 192        | 469   | 0.41       | [0.37; 0.45] |  |
| Chansaeroj et al., 2010  | 33         | 487   | 0.07       | [0.05; 0.09] |  |
| Giorgi Rossi et al., 2010  | 24         | 516   | 0.05       | [0.03; 0.07] |  |
| Shao et al., 2009  | 28         | 573   | 0.05       | [0.03; 0.07] |  |
| Castle et al., 2006  | 71         | 581   | 0.12       | [0.10; 0.15] |  |
| Leinh et al., 2003   | 25         | 593   | 0.04       | [0.03; 0.06] |  |
| Wu et al., 2013  | 71         | 614   | 0.12       | [0.09; 0.14] |  |
| Liu et al., 2014   | 170        | 624   | 0.27       | [0.24; 0.31] |  |
| Ukvirach et al., 2003  | 29         | 649   | 0.04       | [0.02; 0.06] |  |
| Levert et al., 2000  | 97         | 653   | 0.15       | [0.12; 0.18] |  |
| Li et al., 2019  | 212        | 742   | 0.29       | [0.25; 0.32] |  |
| Shu et al., 2021   | 175        | 745   | 0.23       | [0.18; 0.25] |  |
| Shen et al., 2015  | 110        | 747   | 0.15       | [0.12; 0.17] |  |
| Jiang et al., 2011   | 135        | 913   | 0.15       | [0.12; 0.17] |  |
| Yu et al., 2013  | 82         | 957   | 0.09       | [0.07; 0.10] |  |
| Lue et al., 2015   | 130        | 1128  | 0.12       | [0.10; 0.13] |  |
| Moore et al., 2009   | 132        | 1138  | 0.12       | [0.10; 0.14] |  |
| Li et al., 2015  | 362        | 1263  | 0.29       | [0.26; 0.31] |  |
| Indujar et al., 2020   | 129        | 1601  | 0.08       | [0.07; 0.09] |  |
| Llerrero et al., 2005  | 456        | 1603  | 0.28       | [0.26; 0.31] |  |
| Slug et al., 2007  | 44         | 1735  | 0.03       | [0.02; 0.03] |  |
| Lin et al., 2019   | 745        | 1851  | 0.40       | [0.38; 0.42] |  |
| Liao et al., 2016  | 647        | 1871  | 0.35       | [0.32; 0.37] |  |
| Maehama et al., 2002   | 265        | 2524  | 0.10       | [0.09; 0.12] |  |
| Jiang et al., 2017   | 924        | 2766  | 0.33       | [0.32; 0.35] |  |
| Li, XF. et al., 2021   | 405        | 3279  | 0.12       | [0.11; 0.13] |  |
| Wang et al., 2018  | 677        | 3592  | 0.19       | [0.17; 0.19] |  |
| Li, P. et al., 2021  | 677        | 3601  | 0.19       | [0.17; 0.20] |  |
| Wei et al., 2014   | 329        | 14302 | 0.02       | [0.02; 0.02] |  |
| Leinonen et al., 2013  | 713        | 14663 | 0.05       | [0.04; 0.05] |  |
| Lee et al., 2012   | 6199       | 18910 | 0.33       | [0.32; 0.33] |  |
| Common effect model  |            |       | 0.14       | [0.14; 0.14] |  |
| Random effects model   |            |       | 0.16       | [0.13; 0.19] |  |
| Heterogeneity: $I^2 = 99\%$ , $\tau^2 = 0.0255$ , $\chi^2_{82} = 12620.36$ ( $p = 0$ ) |            |       |            |              |   |