Reviewer's report

**Title:** Human papillomavirus (HPV) genotype distribution in Madrid and correlation with cytological data

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**Reviewer:** Marcos Egea-Cortines

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Manuscript

Human papillomavirus (HPV) genotype distribution in Madrid and correlation with cytological data

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BMC Infectious Diseases

The manuscript describes the distribution of HPV in a population of single patients with abnormal PAP smears. They present data that describe the current HPV population in central Spain, and describe the percentages of each HPV genotype found as NC, ASCUS, LSIL and HSIL.

Although they describe in materials and methods some sort of statistical analysis of the data, the authors do not show any type of regression or Chi square test that might indicate differences in the evolution of the different types related to age or other parameters.

1-There must be a serious statistical treatment of data before publication.

2- Although coinfections are mentioned, I could not find any data about them in the manuscript. A figure or table should show the types beyond a small description of coinfection of HPV18 with HPV 52

When assessing the work, please consider the following points:

1. Is the question posed by the authors well defined?
   yes

2. Are the methods appropriate and well described?
   no

3. Are the data sound?
   yes

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
5. Are the discussion and conclusions well balanced and adequately supported by the data? yes
6. Are limitations of the work clearly stated? no
7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished? yes
8. Do the title and abstract accurately convey what has been found? yes
9. Is the writing acceptable? yes

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**
I declare that I have no competing interests