

Appendix 1: Search strategy to identify randomized controlled trials of prophylactic human papillomavirus (HPV) vaccination in MEDLINE database

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| 1. exp Papillomaviridae/ | 21. vaccin\$.ti,ab. |
| 2. exp Tumor Virus Infections/ | 22. or/17-21 |
| 3. exp Papillomavirus Infections/ | 23. 16 and 22 |
| 4. hpv.ti,ab. | 24. clinical trial.pt. |
| 5. hpv.mp. | 25. randomized.ab. |
| 6. papillomavirus.ti,ab. | 26. placebo.ab. |
| 7. or/1-6 | 27. clinical trials/ |
| 8. exp Uterine Cervical Neoplasms/ | 28. randomly.ab. |
| 9. exp Cervical Intraepithelial Neoplasia/ | 29. trial.ti. |
| 10. exp Uterine Cervical Diseases/ | 30. or/24-29 |
| 11. exp Uterine Cervical Dysplasia/ | 31. animals.sh. |
| 12. exp Sexually Transmitted Diseases/ | 32. humans/ |
| 13. exp Precancerous Conditions/ | 33. 31 not (31 and 32) |
| 14. cervi\$.ti,ab. | 34. 30 not 33 |
| 15. or/8-14 | 35. 23 and 34 |
| 16. 7 and 15 | 36. 7 and 22 |
| 17. exp Viral Vaccines/ | 37. 36 and 34 |
| 18. exp Cancer Vaccines/ | 38. 37 not 35 |
| 19. exp Papillomavirus Vaccines/ | 39. 23 not 35 |
| 20. exp Vaccines/ | |