# Supplementary Materials: Cost-Effectiveness of Early Detection and Prevention Strategies for Endometrial Cancer—A Systematic Review

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**Table S1.** Search strategies. Databases searched and search codes.

| Database | Search Codes | Number of Publications Found |
|---|---|---|
| PubMed | Search strategy: 25/03/2019<br>Search (((((((endometr*) AND ((((neoplasm*) OR carcinom*) OR tumor*) OR cancer*))) OR "Endometrial Neoplasms"[Mesh])) AND (((detection) OR prevention) OR screening)) AND (((((economic*) AND *model*)) OR (((((Benefit*) OR Utilit*) OR Effectiv*)) AND cost*)) OR ((QALY) OR ((((qualit*) AND *adjusted*) AND life*) AND year*)))) AND ((((((((((markov*) AND ((*model*) OR *chain*))) OR "Markov Chains"[Mesh]) OR "Monte Carlo Method"[Mesh]) OR ((decision*) AND (((*tree*) OR *analy*) OR *model*))) OR discrete event simulation) OR *simulat*) OR model*) | 77 Hits |
| | Search update: 28/01/2020 | 0 Hits |
| CRD database | Search strategy: 28/04/2016<br>1. (Screening)<br>2. (Early detection)<br>3. (Prevention)<br>4. (endometr*) AND (cancer)<br>5. (microsimulation NEAR model*) OR (micro-simulation NEAR model*) OR (MISCAN)<br>6. (Markov NEXT model*) OR (mathematic* NEAR model*) OR (computer* NEAR model*)<br>7. (decision NEAR model*) OR (analytic* NEAR model*)<br>8. MeSH DESCRIPTOR Markov Chains EXPLODE ALL TREES<br>9. MeSH DESCRIPTOR Computer Simulation EXPLODE ALL TREES<br>10. #1 OR #2 OR #3<br>11. #5 OR #6 OR #7 OR #8 OR #9<br>12. #4 AND #10 AND #11 | 28 Hits |
| | Search update: 28/01/2020 | 0 Hits |
| Ovid Medline | Search strategy: 28/04/2016<br>1. (microsimulation adj3 model*).mp.<br>2. (analytic* adj5 model*).mp<br>3. (decision adj5 model*).mp<br>4. (computer* adj5 model*).mp<br>5. (Markov adj Model*).mp<br>6. (mathematic* adj model*).mp<br>7. (micro-simulation adj3 model*).mp<br>8. MISCAN.mp<br>9. exp Markov Chains<br>10. Prevention.ti,ab<br>11. Screening.ti,ab<br>12. Early detection.ti,ab<br>13. Endometrial Cancer.ti,ab<br>14. 10 or 11 or 12<br>15. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9<br>16. 13 and 14 and 15 | 9 Hits |

| | Search update: 28/01/2020 | 5 Hits |
|---|---|---|
| Embase | Search strategy: 28.04.2016<br>1. Endometrial Cancer.ti,ab<br>2. Early detection.ti,ab<br>3. Screening.ti,ab<br>4. Prevention.ti,ab<br>5. exp Computer Simulation<br>6. (microsimulation adj3 model\*).mp<br>7. MISCAN.mp<br>8. exp Markov Chains<br>9. (micro-simulation adj3 model\*).mp<br>10. (mathematic\* adj model\*).mp<br>11. (Markov adj Model\*).mp<br>12. (decision adj5 model\*).mp<br>13. (computer\* adj5 model\*).mp<br>14. 2 or 3 or 4<br>15. 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12<br>16. 1 and 14 and 15 | 100 Hits |
| | Search update: 28/01/2020 | 11 Hits |
| EconLit | Search strategy: 28.04.2016<br>S1: Endometrial AND Cancer | 1 Hit |
| | Search update: 28/01/2020 | 2 Hits |
| The Cochrane Library | Search strategy: 29.04.2016<br>1. Endometrial and Cancer (Word variations have been searched)<br>2. Screening or Prevention or Prophylactic or Early detection (Word variations have been searched)<br>3. microsimulation near model\* (Word variations have been searched)<br>4. micro-simulation near model\*:ti,ab,kw   (Word variations have been searched)<br>5. MISCAN (Word variations have been searched)<br>6. Markov next Model\* (Word variations have been searched)<br>7. MeSH descriptor: [Markov Chains] explode all trees<br>8. mathematic\* near model\* (Word variations have been searched)<br>9. MeSH descriptor: [Computer Simulation] explode all trees<br>10. computer\* near model\* (Word variations have been searched)<br>11. analytic\* near model\* (Word variations have been searched)<br>12. decision near model\* (Word variations have been searched)<br>13. #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12<br>14. #1 and #2<br>15. #13 and #14 in Economic Evaluations | 2 Hits |
| | Search update: 28/01/2020 | Hits |
| | Total | 217 Hits |
| | Total after search update | 235 Hits |
| | Total after removing the duplicates | 125 Hits |

**Table S2.** List of abbreviations.

| **GDP-PPP** | **Gross Domestic Product - Purchasing Power Parities** |
|---|---|
| CPI | Consumer Price Index |
| LY | Life years |
| LYG | Life-years gained |
| QALY | quality-adjusted life years |
| ICER | Incremental cost-effectiveness ratio |
| ICUR | Incremental cost-utility ratio |
| Incr. | Incremental |
| CHEERS | The Consolidated Health Economic Evaluation Reporting Standards |
| WTP | Willingness-to-pay |
| WHO | World Health Organization |

| BMI | Body mass index |
|---|---|
| ACER | Average cost-effectiveness ratio, |
| PBSO | Prophylactic bilateral salpingo-oophorectomy |
| EB | Endometrial biopsy |
| yrs | Years |
| Dom | Dominated |
| n.r. | Not reported |
| Ext dom | Extended dominance |
| SA | Sensitivity analyses |
| TVS | Transvaginal sonography |
| CA-125 | The cancer-antigen-125 |