Table S2. Search strategy of new Randomized controlled trials

<table>
<thead>
<tr>
<th>Searched Term</th>
<th>PubMed (Date : Apr. 22, 2011)</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 <em>Prostate-Specific Antigen</em>[Mesh]</td>
<td>15,340</td>
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<tr>
<td>2 prostate specific antigen</td>
<td>21,960</td>
<td></td>
</tr>
<tr>
<td>3 psa</td>
<td>18,037</td>
<td></td>
</tr>
<tr>
<td>4 digital rectal examination</td>
<td>2,990</td>
<td></td>
</tr>
<tr>
<td>5 dre</td>
<td>1,609</td>
<td></td>
</tr>
<tr>
<td>6 transrectal ultrasound*</td>
<td>2,530</td>
<td></td>
</tr>
<tr>
<td>7 TRUS</td>
<td>1,616</td>
<td></td>
</tr>
<tr>
<td>8 <em>Mass Screening</em>[Mesh]</td>
<td>84,559</td>
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</tr>
<tr>
<td>9 screening</td>
<td>4,257,056</td>
<td></td>
</tr>
<tr>
<td>10 (<em>Prostatic Neoplasms/diagnosis</em>[Mesh] OR <em>Prostatic Neoplasms/prevention and control</em>[Mesh])</td>
<td>40,313</td>
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</tr>
<tr>
<td>11 prostat$ cancer</td>
<td>96,419</td>
<td></td>
</tr>
<tr>
<td>12 #1 or #2 or #3 or #4 or #5 or #7</td>
<td>31,052</td>
<td></td>
</tr>
<tr>
<td>13 #8 or #9</td>
<td>4,257,056</td>
<td></td>
</tr>
<tr>
<td>14 #10 or #11</td>
<td>96,419</td>
<td></td>
</tr>
<tr>
<td>16 #12 and #13 and #14 and #15</td>
<td>5,012</td>
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<tr>
<td>17 # 16 Limits. Publication Date from 2009</td>
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Ovid MEDLINE(R) 1948 to March Week 3 2011 (Date : Mar. 29, 2011)

<table>
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<td>19 or/14-18</td>
<td>978,093</td>
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<tr>
<td>20 8 and 11 and 14 and 19</td>
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Ovid EMBASE(R) 1980 to 2011 Week 12 (Date: Mar. 29, 2011)

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<td>1 or/1-7</td>
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<td>9 exp Mass Screening/</td>
<td>117,338</td>
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<td>10 screening.mp</td>
<td>465,327</td>
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<tr>
<td>11 or/9-10</td>
<td>465,450</td>
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<td>12 Prostatic Neoplasms/f (Prevention &amp; Control, Diagnosis)</td>
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<td>14 or/12-13</td>
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<td>15 clinical trial.pt</td>
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<td>16 random$.mp</td>
<td>727,255</td>
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Cochrane Central Register of Controlled Trials and the NHS EED (Date: Mar. 29, 2011)

<table>
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<tr>
<th>Searched Terms</th>
<th>Results</th>
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<tr>
<td>1 (PROSTATE-SPECIFIC ANTIGEN)</td>
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<tr>
<td>2 (prostate next specific next antigen)</td>
<td>1,214</td>
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<td>3 (psa)</td>
<td>986</td>
</tr>
<tr>
<td>4 (digital next rectal next examination)</td>
<td>211</td>
</tr>
<tr>
<td>5 dre</td>
<td>93</td>
</tr>
<tr>
<td>6 (transrectal next ultrasound*)</td>
<td>226</td>
</tr>
<tr>
<td>7 trus</td>
<td>133</td>
</tr>
<tr>
<td>8 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7)</td>
<td>1,630</td>
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<tr>
<td>9 MASS SCREENING</td>
<td>3,700</td>
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<tr>
<td>10 screening</td>
<td>13,660</td>
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<tr>
<td>11 (#9 OR #10)</td>
<td>13,660</td>
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<tr>
<td>12 PROSTATIC NEOPLASMS</td>
<td>2,564</td>
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### Cochrane Central Register of Controlled Trials and the NHS EED
(Date: Mar. 29, 2011)

<table>
<thead>
<tr>
<th></th>
<th>Search Term</th>
<th>Results</th>
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<tbody>
<tr>
<td>13</td>
<td>(prostat* next cancer)</td>
<td>2,742</td>
</tr>
<tr>
<td>14</td>
<td>(#12 OR #13)</td>
<td>3,360</td>
</tr>
<tr>
<td>15</td>
<td>(#8 AND #11 AND #14)</td>
<td>264</td>
</tr>
<tr>
<td>16</td>
<td>(#15), from 2009 to 2011</td>
<td>26</td>
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</tbody>
</table>