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7,378 publications identified on initial search
- 6,204 PubMed
- 1,174 Embase

460 duplicates removed

6,918 publications screened based on title and abstract

6,833 publications excluded for not meeting the inclusion criteria

85 publications were assessed based on full-text and their references were reviewed for additional publications

66 publications excluded:
- 1 retrospective study
- 53 irrelevant exposure or outcome
- 4 reviews or meta-analyses
- 5 duplicate populations
- 3 no sufficient data for dose-response

19 publications (2 pooled studies) included in analysis:
- Breast cancer: 6 publications (1 pooled study)
  - linear: 6 publications
  - non-linear: 4 publications
- Ovarian cancer: 3 publications (1 pooled study)
- Prostate cancer: 10 publications
  - total prostate cancer: 6 publications
  - fatal prostate cancer: 4 publications
First author, year | RR (95% CI)
--- | ---
Farvid, 2014 | 0.97 (0.81, 1.16)
Pala, 2009 | 1.04 (0.96, 1.13)
Missmer, 2002 | 1.08 (0.99, 1.17)
Key, 1999 | 1.00 (0.78, 1.28)
Gaard, 1995 | 1.04 (0.63, 1.72)
Mills, 1989 | 1.23 (0.48, 3.14)
Overall (I-squared = 0.0%, p = 0.927) | 1.05 (0.99, 1.11)

RR for an increase of five eggs consumed per week
Figure 2B

Number of eggs consumed per week

Best fitting cubic spline

95% confidence interval
Figure 3

<table>
<thead>
<tr>
<th>First author, year</th>
<th>RR (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schulz, 2007</td>
<td>1.69 (0.71, 4.01)</td>
</tr>
<tr>
<td>Genkinger, 2006 (pooled analysis)</td>
<td>1.08 (0.99, 1.17)</td>
</tr>
<tr>
<td>Larsson, 2005</td>
<td>1.02 (0.62, 1.70)</td>
</tr>
<tr>
<td>Overall (I-squared = 0.0%, p = 0.585)</td>
<td>1.08 (1.00, 1.17)</td>
</tr>
</tbody>
</table>

RR for an increase of five eggs consumed per week
Figure 4

Table:

<table>
<thead>
<tr>
<th>First author, year</th>
<th>RR (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen, 2008</td>
<td>0.95 (0.79, 1.15)</td>
</tr>
<tr>
<td>Allen, 2004</td>
<td>1.12 (0.85, 1.48)</td>
</tr>
<tr>
<td>Schuurman, 1999</td>
<td>0.98 (0.69, 1.39)</td>
</tr>
<tr>
<td>Mills, 1989*</td>
<td>0.65 (0.32, 1.29)</td>
</tr>
<tr>
<td>Severson, 1989</td>
<td>1.17 (0.80, 1.71)</td>
</tr>
<tr>
<td>Thompson, 1989</td>
<td>1.00 (0.55, 1.82)</td>
</tr>
<tr>
<td>Subtotal (I-squared = 0.0%, p = 0.687)</td>
<td>1.00 (0.88, 1.14)</td>
</tr>
<tr>
<td>Richman, 2011</td>
<td>2.56 (1.22, 5.41)</td>
</tr>
<tr>
<td>Iso, 2007</td>
<td>1.32 (0.77, 2.24)</td>
</tr>
<tr>
<td>Hsing, 1990</td>
<td>1.07 (0.71, 1.59)</td>
</tr>
<tr>
<td>Snowdon, 1984*</td>
<td>1.95 (0.90, 4.24)</td>
</tr>
<tr>
<td>Subtotal (I-squared = 40.1%, p = 0.171)</td>
<td>1.47 (1.01, 2.14)</td>
</tr>
</tbody>
</table>

RR for an increase of five eggs consumed per week.
Figure 5

- Hsing, 1990
- Iso, 2007
- Snowdon, 1984
- Richman, 2011

RR on log scale