### Antibiotic use for acutely ill children in the ambulatory care setting in high income countries: a systematic review and meta-analysis.

(Burvenich R, et al. (2022))

#### Funnel plots, Egger's tests, Sensitivity analyses

#### Studies on antibiotic prescribing rates

<table>
<thead>
<tr>
<th>Disease</th>
<th>Overall</th>
<th>Without studies with high risk of bias</th>
<th>Without studies with sample size &lt;500</th>
<th>Without outliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOM</td>
<td><img src="image1" alt="Funnel plot" /></td>
<td><img src="image2" alt="Funnel plot" /></td>
<td><img src="image3" alt="Funnel plot" /></td>
<td><img src="image4" alt="Funnel plot" /></td>
</tr>
<tr>
<td>RTI</td>
<td><img src="image5" alt="Funnel plot" /></td>
<td><img src="image6" alt="Funnel plot" /></td>
<td><img src="image7" alt="Funnel plot" /></td>
<td><img src="image8" alt="Funnel plot" /></td>
</tr>
<tr>
<td>GE</td>
<td><img src="image9" alt="Funnel plot" /></td>
<td><img src="image10" alt="Funnel plot" /></td>
<td><img src="image11" alt="Funnel plot" /></td>
<td><img src="image12" alt="Funnel plot" /></td>
</tr>
</tbody>
</table>

**Sensitivity analysis**
- No difference in pooled result
- PR-estimates (not PLO)
- Egger's test
  - AOM: not significant
  - RTI: not significant
  - GE: not significant

**Egger's test**
- AOM: still significant
- RTI: not significant anymore
- GE: not significant anymore

**N/A = Not applicable; PR = raw proportion; PLO = logit transformed proportion.**

### Studies on appropriateness of antibiotic prescribing

<table>
<thead>
<tr>
<th>Disease</th>
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<tr>
<td>AOM</td>
<td><img src="image13" alt="Funnel plot" /></td>
<td><img src="image14" alt="Funnel plot" /></td>
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**Sensitivity analysis**
- No difference in pooled result
- PR-estimates (not PLO)
- Egger's test
  - AOM: not significant
  - RTI: not significant

**Egger's test**
- AOM: not significant anymore
- RTI: not significant anymore

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