### Additional file 2 – Search Strategies

**Table 1a: MEDLINE search strategy**

<table>
<thead>
<tr>
<th>Database</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medline</td>
<td>7/1/22</td>
</tr>
</tbody>
</table>

1. Quality Improvement/
2. Program Evaluation/
3. implementation science/
4. (surgery or surgic* or surgeon or operat*).ti,ab.
   - (UK or GB or brit* or NHS or national health service or engl* or scot* or wales or welsh).ti,ab.
5. (multi?centre or collab* or breakthrough series or IHI or institute for healthcare improvement or model for improvement or bundle or PDSA or hospitals or units or national or regional or cluster).ti,ab.
6. (Quality adj3 (improv* or enhanc* or intervention* or initiative* or strateg* or program* or project*)).ti.
7. 1 or 2 or 3
8. 4 and 5
9. 7 or 8
10. 9 and 10
11. limit 11 to english language

**Table 1b: EMBASE search strategy**

<table>
<thead>
<tr>
<th>Database</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embase</td>
<td>7/1/22</td>
</tr>
</tbody>
</table>

1. total quality management/
2. Program Evaluation/
3. implementation science/
4. (surgery or surgic* or surgeon or operat*).ti,ab.
   - (UK or GB or brit* or NHS or national health service or engl* or scot* or wales or welsh).ti,ab.
5. (multi?centre or collab* or breakthrough series or IHI or institute for healthcare improvement or model for improvement or bundle or PDSA or hospitals or units or national or regional or cluster).ti,ab.
6. (Quality adj3 (improv* or enhanc* or intervention* or initiative* or strateg* or program* or project*)).ti.
7. 1 or 2 or 3
8. 4 and 5
9. 7 or 8
10. 9 and 10
11. limit 10 to english language