### Supplementary table 1: Number of admissions and emergency presentations for epididymitis by year in three Australian states (Victoria, NSW and Queensland), 2009-2014

<table>
<thead>
<tr>
<th>Year</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>n (%)</td>
<td>n (%)</td>
<td>n (%)</td>
<td>n (%)</td>
<td>n (%)</td>
<td>n (%)</td>
<td>n (%)</td>
<td>N (%)</td>
</tr>
<tr>
<td><strong>Total admissions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7375</td>
</tr>
<tr>
<td>N45.0 Orchitis, epididymitis, epididymo-orchitis with abscess</td>
<td>33 (3.3)</td>
<td>39 (3.4)</td>
<td>36 (2.9)</td>
<td>41 (3.3)</td>
<td>35 (2.8)</td>
<td>56 (3.8)</td>
<td>240 (3.3)</td>
</tr>
<tr>
<td>N45.9 Orchitis, epididymitis, epididymo-orchitis without abscess</td>
<td>962 (94.9)</td>
<td>1,068 (93.4)</td>
<td>1,175 (94.2)</td>
<td>1,181 (93.8)</td>
<td>1,184 (94.6)</td>
<td>1,364 (93.4)</td>
<td>6,934 (94.0)</td>
</tr>
<tr>
<td>N51.1 Disorders of testis &amp; epididymis in diseases classified elsewhere</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Chlamydia - epididymitis or orchitis (A56.1+)</td>
<td>18 (1.8)</td>
<td>34 (3.0)</td>
<td>32 (2.6)</td>
<td>36 (2.9)</td>
<td>30(2.4)</td>
<td>37 (2.5)</td>
<td>187 (2.5)</td>
</tr>
<tr>
<td>• Gonococcal - epididymitis or orchitis (A54.2+)</td>
<td>1 (0.1)</td>
<td>2 (0.2)</td>
<td>4 (0.3)</td>
<td>1 (0.1)</td>
<td>2 (0.2)</td>
<td>4 (0.3)</td>
<td>14 (0.2)</td>
</tr>
<tr>
<td><strong>Total ED presentations</strong></td>
<td>2323</td>
<td>2393</td>
<td>2719</td>
<td>3065</td>
<td>3314</td>
<td>3467</td>
<td>17281</td>
</tr>
<tr>
<td>N45.0 Orchitis, epididymitis, epididymo-orchitis with abscess *</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>7</td>
<td>4</td>
<td>7</td>
<td>25 (0.1)</td>
</tr>
<tr>
<td>N45.9 Orchitis, epididymitis, epididymo-orchitis without abscess †</td>
<td>2,316 (99.7)</td>
<td>2,379 (99.4)</td>
<td>2,708 (99.6)</td>
<td>3,048 (99.5)</td>
<td>3,309 (99.9)</td>
<td>3,460 (99.8)</td>
<td>17220 (99.7)</td>
</tr>
<tr>
<td>N51.1 Disorders of testis, epididymis in diseases classified elsewhere</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Chlamydia - epididymitis or orchitis (A56.1+) ‡</td>
<td>5</td>
<td>9</td>
<td>9</td>
<td>1</td>
<td>0</td>
<td>33 (0.2)</td>
<td></td>
</tr>
<tr>
<td>• Gonococcal - epididymitis or orchitis (A54.2+) §</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3 (0.1)</td>
</tr>
<tr>
<td><strong>Outcome of ED presentations</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admitted from ED</td>
<td>474 (20.4)</td>
<td>530 (22.1)</td>
<td>579 (21.3)</td>
<td>694 (22.6)</td>
<td>772 (23.3,)</td>
<td>985 (28.4)</td>
<td>4034 (23.3)</td>
</tr>
<tr>
<td>Not admitted from ED ¶</td>
<td>1849 (79.6)</td>
<td>1863 (77.9)</td>
<td>2140 (78.7)</td>
<td>2371 (77.4)</td>
<td>2542 (76.7)</td>
<td>2482 (71.6)</td>
<td>13247 (76.7)</td>
</tr>
</tbody>
</table>

* Concordant ICD9 and SNOMED codes for ICD10 N45.0 (orchitis, epididymitis, epididymo-orchitis with abscess) were 604.0, 27141002, 72550000, 39729001

† Concordant ICD9 and SNOMED codes for ICD10 N45.9 (orchitis, epididymitis, epididymo-orchitis without abscess or unspecified) were 604.9, 43491000, 31070006, 197983000, 31222003, 57731009, 31222006, 312224002, 236765008.

‡ Concordant ICD9 and SNOMED codes for ICD10 A56.1 (chlamydia epididymitis or orchitis) were 236767000, 236773004, 24712006.

§ Concordant ICD9 and SNOMED codes for ICD10 A54.2 (gonococcal epididymitis or orchitis) were 236772009, 30168008.

¶ Admitted from emergency = number and proportion of ED presentations that were admitted to hospital
Number and proportion of ED presentations that were managed in ED without admission.