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Supplementary Material 1. Flow chart total population included in the study in 2013.
**Supplementary material 2.** Capture–recapture estimates of under-reported non-fatal occupational injuries by socio-demographic factors in 2013 in Sweden.

<table>
<thead>
<tr>
<th></th>
<th>Total observed*</th>
<th>Under-report % (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>male</td>
<td>41291</td>
<td>14.4 (14-14.7)</td>
</tr>
<tr>
<td>female</td>
<td>41658</td>
<td>17.8 (17.4-18.3)</td>
</tr>
<tr>
<td><strong>Age</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-24</td>
<td>6015</td>
<td>19.8 (18.6-21)</td>
</tr>
<tr>
<td>25-34</td>
<td>17066</td>
<td>16.5 (15.9-17.1)</td>
</tr>
<tr>
<td>35-54</td>
<td>41271</td>
<td>15.9 (15.5-16.3)</td>
</tr>
<tr>
<td>55-65</td>
<td>18597</td>
<td>15.5 (14.9-16)</td>
</tr>
<tr>
<td><strong>Country of birth</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweden</td>
<td>68115</td>
<td>16.0 (15.7-16.3)</td>
</tr>
<tr>
<td>Nordic countries</td>
<td>2098</td>
<td>15.1 (13.5-16.8)</td>
</tr>
<tr>
<td>EU-28</td>
<td>5549</td>
<td>16.8 (15.8-17.8)</td>
</tr>
<tr>
<td>Non EU-28</td>
<td>6839</td>
<td>18.2 (17.2-19.2)</td>
</tr>
<tr>
<td><strong>Educational Level</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary school</td>
<td>9669</td>
<td>14.7 (14-15.4)</td>
</tr>
<tr>
<td>Secondary school</td>
<td>50818</td>
<td>16.4 (16-16.7)</td>
</tr>
<tr>
<td>Tertiary education &lt;3y</td>
<td>10962</td>
<td>12.6 (12-13.3)</td>
</tr>
<tr>
<td>Tertiary education &gt;=3y</td>
<td>11300</td>
<td>20.9 (20-21.9)</td>
</tr>
<tr>
<td><strong>Family composition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>single</td>
<td>28039</td>
<td>16.1 (15.6-16.5)</td>
</tr>
<tr>
<td>single with children</td>
<td>8316</td>
<td>18.1 (17.1-19.0)</td>
</tr>
<tr>
<td>couple with children</td>
<td>33937</td>
<td>16.3 (15.9-16.7)</td>
</tr>
<tr>
<td>couple with no children</td>
<td>12657</td>
<td>15.3 (14.6-15.9)</td>
</tr>
</tbody>
</table>

*Total observed is the total of those injuries reported to ISA only, AFA only and their overlap.
Supplementary Material 3. Capture–recapture estimates of under-reported non-fatal occupational injuries by severity and employment relationship in 2013 in Sweden adjusted by sex, age and country of birth.

<table>
<thead>
<tr>
<th>Injury Severity</th>
<th>Total observed</th>
<th>Underreport % (95% CI)</th>
<th>Captured ISA % (95% CI)</th>
<th>Captured AFA % (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>67441</td>
<td>18.0 (17.7-18.3)</td>
<td>70.3 (69.8-70.7)</td>
<td>39.3 (39.0-39.7)</td>
</tr>
<tr>
<td>outpatient</td>
<td>13448</td>
<td>9.04 (8.63-9.46)</td>
<td>71.5 (70.7-72.3)</td>
<td>64.6 (67.6-69.39)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>1712</td>
<td>3.6 (2.97-4.24)</td>
<td>78.8 (76.8-80.8)</td>
<td>83.5 (81.5-85.4)</td>
</tr>
<tr>
<td><strong>Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>5001</td>
<td>25.4 (23.9-26.8)</td>
<td>62.1 (60.3-63.8)</td>
<td>33.0 (31.8-34.2)</td>
</tr>
<tr>
<td>outpatient</td>
<td>1135</td>
<td>12.9 (11.1-14.7)</td>
<td>66.7 (63.6-69.7)</td>
<td>61.6 (58.7-64.6)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>115</td>
<td>7.75 (3.26-12.2)</td>
<td>67.5 (58.8-76.2)</td>
<td>77.2 (68.7-85.7)</td>
</tr>
<tr>
<td><strong>Borderline Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>18902</td>
<td>19.4 (18.7-20.0)</td>
<td>68.7 (67.9-69.6)</td>
<td>37.8 (37.2-38.5)</td>
</tr>
<tr>
<td>outpatient</td>
<td>3665</td>
<td>9.86 (9.03-10.7)</td>
<td>69.8 (68.2-71.4)</td>
<td>67.5 (65.9-69.1)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>508</td>
<td>4.09 (2.82-5.37)</td>
<td>78.0 (74.3-81.8)</td>
<td>81.2 (77.5-84.9)</td>
</tr>
<tr>
<td><strong>Non-Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>43538</td>
<td>16.7 (16.3-17.1)</td>
<td>71.8 (71.3-72.4)</td>
<td>40.7 (40.2-41.2)</td>
</tr>
<tr>
<td>outpatient</td>
<td>8648</td>
<td>8.26 (7.76-8.75)</td>
<td>72.8 (71.7-73.9)</td>
<td>69.7 (68.7-70.8)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>1089</td>
<td>2.96 (2.26-3.65)</td>
<td>80.4 (77.9-82.9)</td>
<td>85.2 (82.9-87.5)</td>
</tr>
</tbody>
</table>

AFA= AFA Insurance
ISA= the Information System on occupational injuries.
**Supplementary material 4.** Capture-recapture estimates of under-reported non-fatal occupational injuries by severity and employment relationship in 2013 in Sweden using company size cut-off of ≥50 employees as Orellana et al (2020).

<table>
<thead>
<tr>
<th></th>
<th>Total observed</th>
<th>Underreport % (95% CI)</th>
<th>Captured ISA % (95% CI)</th>
<th>Captured AFA % (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>62319</td>
<td>16.6 (16.3-17.0)</td>
<td>72.7 (72.3-73.2)</td>
<td>39.0 (38.6-39.3)</td>
</tr>
<tr>
<td>outpatient</td>
<td>10809</td>
<td>7.95 (7.54-8.35)</td>
<td>74.4 (73.5-75.3)</td>
<td>69.0 (68.1-69.9)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>1236</td>
<td>3.56 (2.85-4.26)</td>
<td>80.0 (77.5-82.5)</td>
<td>82.2 (80.0-84.5)</td>
</tr>
<tr>
<td><strong>Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>4364</td>
<td>22.8 (21.3-24.2)</td>
<td>66 (64.2-67.8)</td>
<td>32.9 (31.6-34.2)</td>
</tr>
<tr>
<td>outpatient</td>
<td>843</td>
<td>11.2 (9.25-13.1)</td>
<td>70.1 (66.7-73.5)</td>
<td>62.7 (59.3-66.1)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>69</td>
<td>8 (1.99-14)</td>
<td>66.7 (54.7-78.6)</td>
<td>76 (63.9-88.1)</td>
</tr>
<tr>
<td><strong>Borderline Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>17303</td>
<td>17.9 (17.2-18.6)</td>
<td>71.4 (70.5-72.3)</td>
<td>37.4 (36.7-38.1)</td>
</tr>
<tr>
<td>outpatient</td>
<td>2839</td>
<td>8.7 (7.85-9.54)</td>
<td>73 (71.2-74.7)</td>
<td>67.8 (66-69.6)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>358</td>
<td>4.52 (2.97-6.07)</td>
<td>77.1 (72.3-81.9)</td>
<td>80.3 (75.9-84.6)</td>
</tr>
<tr>
<td><strong>Non-Precarious</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>no healthcare</td>
<td>40652</td>
<td>15.6 (15.2-16)</td>
<td>73.9 (73.3-74.5)</td>
<td>40.3 (39.8-40.8)</td>
</tr>
<tr>
<td>outpatient</td>
<td>7127</td>
<td>7.34 (6.87-7.82)</td>
<td>75.4 (74.3-76.5)</td>
<td>70.2 (69.1-71.3)</td>
</tr>
<tr>
<td>hospitalized</td>
<td>809</td>
<td>2.91 (2.16-3.66)</td>
<td>82.3 (79.585.2)</td>
<td>83.5 (80.7-86.3)</td>
</tr>
</tbody>
</table>

AFA= AFA Insurance  
ISA= the Information System on occupational injuries.