Online only supplementary material

Appendix Table 1: Crude age and gender AF incidence in complete AF cohort

<table>
<thead>
<tr>
<th>Age group</th>
<th>Male</th>
<th></th>
<th>Female</th>
<th></th>
<th>Both</th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>AF</td>
<td>PY</td>
<td>Crude incidence rate (1/1000 PY)</td>
<td>AF</td>
<td>PY</td>
<td>Crude incidence rate (1/1000 PY)</td>
</tr>
<tr>
<td>45 – 49</td>
<td>1028</td>
<td>1312109</td>
<td>0.8 (0.7-0.8)</td>
<td>464</td>
<td>1274106</td>
<td>0.4 (0.3-0.4)</td>
</tr>
<tr>
<td>50 – 54</td>
<td>1641</td>
<td>1187121</td>
<td>1.4 (1.3-1.5)</td>
<td>673</td>
<td>1163386</td>
<td>0.6 (0.5-0.6)</td>
</tr>
<tr>
<td>55 – 59</td>
<td>2773</td>
<td>1119547</td>
<td>2.5 (2.4-2.6)</td>
<td>1272</td>
<td>1116063</td>
<td>1.1 (1.1-1.2)</td>
</tr>
<tr>
<td>60 – 64</td>
<td>4262</td>
<td>989717</td>
<td>4.3 (4.2-4.4)</td>
<td>2244</td>
<td>1013185</td>
<td>2.2 (2.1-2.3)</td>
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<tr>
<td>65 – 69</td>
<td>5598</td>
<td>792998</td>
<td>7.1 (6.9-7.2)</td>
<td>3430</td>
<td>853458</td>
<td>4.0 (3.9-4.2)</td>
</tr>
<tr>
<td>70 – 74</td>
<td>7104</td>
<td>613951</td>
<td>11.6 (11.3-11.8)</td>
<td>5213</td>
<td>719520</td>
<td>7.2 (7.0-7.4)</td>
</tr>
<tr>
<td>75 – 79</td>
<td>7860</td>
<td>461773</td>
<td>17.0 (16.6-17.4)</td>
<td>7703</td>
<td>613240</td>
<td>12.6 (12.3-12.8)</td>
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<td>80 – 84</td>
<td>7679</td>
<td>300867</td>
<td>25.5 (25.0-26.1)</td>
<td>9298</td>
<td>480634</td>
<td>19.3 (19.0-19.7)</td>
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<tr>
<td>85 – 89</td>
<td>5128</td>
<td>145234</td>
<td>35.3 (34.3-36.3)</td>
<td>8571</td>
<td>294938</td>
<td>29.1 (28.4-29.7)</td>
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<tr>
<td>90 +</td>
<td>2837</td>
<td>60902</td>
<td>46.6 (44.9-48.3)</td>
<td>6929</td>
<td>179458</td>
<td>38.6 (37.7-39.5)</td>
</tr>
<tr>
<td>Total</td>
<td>45910</td>
<td>6984219</td>
<td>6.6 (6.5-6.6)</td>
<td>45797</td>
<td>7707988</td>
<td>5.9 (5.9-6.0)</td>
</tr>
</tbody>
</table>

AF: incident atrial fibrillation; PY: person-years
### Appendix Table 2: Crude and standardised AF Incidence by calendar year

<table>
<thead>
<tr>
<th>Calendar year</th>
<th>Male AF</th>
<th>PY</th>
<th>Crude incidence rate (1/1000 PY)</th>
<th>Female AF</th>
<th>PY</th>
<th>Crude incidence rate (1/1000 PY)</th>
<th>Both AF</th>
<th>PY</th>
<th>Crude incidence rate (1/1000 PY)</th>
<th>Standardised* incidence rate (1/1000 PY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>2419</td>
<td>417455</td>
<td>5.8 (5.6-6.0)</td>
<td>2561</td>
<td>468974</td>
<td>5.5 (5.3-5.7)</td>
<td>4980</td>
<td>886428</td>
<td>5.6 (5.5-5.8)</td>
<td>5.9 (5.8-6.1)</td>
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<tr>
<td>2002</td>
<td>2779</td>
<td>459294</td>
<td>6.1 (5.8-6.3)</td>
<td>2845</td>
<td>514488</td>
<td>5.5 (5.3-5.7)</td>
<td>5624</td>
<td>973782</td>
<td>5.8 (5.6-5.9)</td>
<td>6.1 (5.9-6.2)</td>
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<tr>
<td>2003</td>
<td>3055</td>
<td>504283</td>
<td>6.1 (5.8-6.3)</td>
<td>3353</td>
<td>562954</td>
<td>6.0 (5.8-6.2)</td>
<td>6408</td>
<td>1067238</td>
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<td>6.3 (6.2-6.5)</td>
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<tr>
<td>2004</td>
<td>3353</td>
<td>528327</td>
<td>6.3 (6.1-6.6)</td>
<td>3347</td>
<td>587011</td>
<td>5.7 (5.5-5.9)</td>
<td>6700</td>
<td>1115338</td>
<td>6.0 (5.9-6.2)</td>
<td>6.4 (6.3-6.6)</td>
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<tr>
<td>2005</td>
<td>3396</td>
<td>547199</td>
<td>6.2 (6.0-6.4)</td>
<td>3464</td>
<td>606572</td>
<td>5.7 (5.5-5.9)</td>
<td>6860</td>
<td>1153770</td>
<td>5.9 (5.8-6.1)</td>
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<td>2006</td>
<td>3720</td>
<td>564751</td>
<td>6.6 (6.4-6.8)</td>
<td>3840</td>
<td>624173</td>
<td>6.2 (6.0-6.3)</td>
<td>7560</td>
<td>1188924</td>
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<td>6.9 (6.7-7.0)</td>
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<tr>
<td>2007</td>
<td>3894</td>
<td>579266</td>
<td>6.7 (6.5-6.9)</td>
<td>3878</td>
<td>637453</td>
<td>6.1 (5.9-6.3)</td>
<td>7772</td>
<td>1216719</td>
<td>6.4 (6.2-6.5)</td>
<td>6.9 (6.8-7.1)</td>
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<td>2012</td>
<td>3993</td>
<td>552268</td>
<td>7.2 (7.0-7.5)</td>
<td>3729</td>
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<td>7722</td>
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<tr>
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<td>3527</td>
<td>500136</td>
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<td>3173</td>
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<td>6.9 (6.8-7.1)</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>45910</strong></td>
<td><strong>6984219</strong></td>
<td><strong>6.6 (6.5-6.6)</strong></td>
<td><strong>45797</strong></td>
<td><strong>7707988</strong></td>
<td><strong>5.9 (5.9-6.0)</strong></td>
<td><strong>91707</strong></td>
<td><strong>14692207</strong></td>
<td><strong>6.2 (6.2-6.3)</strong></td>
<td><strong>6.7 (6.7-6.8)</strong></td>
</tr>
</tbody>
</table>

AF: incident atrial fibrillation; PY: person-years; *Standardised to age and gender distribution of UK population