Primary occupation was a fire fighter

Developed Brain Cancer

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>No</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>

Odds Ratio = Odds that person with brain cancer was a fire fighter
Odds that person without brain cancer was a fire fighter

\[
= \frac{A}{C} \quad \frac{B}{D}
\]

\[
= \frac{A*D}{B*D}
\]

Figure 3: Calculating an Odds Ratio (adapted from 41)