Intervention X reduces the risk of dying from A by 30% (HR=0.70), but increases the risk of dying from B by 100% (HR=2.0). The risk of A is much higher in population 2 than in population 1 (and vice versa for B). The impact in terms of all-cause mortality is quite different in the two populations.

<table>
<thead>
<tr>
<th>Population 1</th>
<th>Polulation 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>Treated</td>
</tr>
<tr>
<td>Disorder A</td>
<td>400</td>
</tr>
<tr>
<td>Disorder B</td>
<td>125</td>
</tr>
<tr>
<td>Total</td>
<td>525</td>
</tr>
</tbody>
</table>

**Note:** Weights are from random effects analysis

**Overall (I-squared = 0.0%, p = 0.765)**

- **Study 1**
  - Ratio (95% CI): 0.92 (0.89, 0.95)
  - Hazard 0.81 (0.74, 0.85)

- **Study 2**
  - Ratio (95% CI): 0.91 (0.81, 1.02)
  - Hazard 0.79 (0.74, 0.85)

**Note:** Weights are from random effects analysis

**Overall (I-squared = 54.1%, p = 0.069)**

- **Study 1**
  - Ratio (95% CI): 0.69 (0.60, 0.79)
  - Hazard 0.79 (0.74, 0.85)

- **Study 2**
  - Ratio (95% CI): 0.62 (0.47, 0.81)
  - Hazard 0.77 (0.73, 0.82)

**Note:** Weights are from random effects analysis

**Overall (I-squared = 54.1%, p = 0.069)**

- **Study 1**
  - Ratio (95% CI): 0.91 (0.81, 1.02)
  - Hazard 0.94 (0.89, 0.99)

- **Study 2**
  - Ratio (95% CI): 0.92 (0.87, 0.97)
  - Hazard 0.90 (0.85, 0.96)

**Note:** Weights are from random effects analysis

**Overall (I-squared = 54.1%, p = 0.069)**

- **Study 1**
  - Ratio (95% CI): 1.01 (0.82, 1.24)
  - Hazard 0.79 (0.74, 0.85)

- **Study 2**
  - Ratio (95% CI): 0.81 (0.74, 0.86)
  - Hazard 0.77 (0.73, 0.82)

**5-year risk of vascular disease**

- **<5%**
  - Hazard 0.62 (0.47, 0.81)

- **5-10%**
  - Hazard 0.69 (0.60, 0.79)

- **10-20%**
  - Hazard 0.79 (0.74, 0.85)

- **20-30%**
  - Hazard 0.81 (0.77, 0.86)

- **>30%**
  - Hazard 0.79 (0.74, 0.84)

- **Overall (I-squared = 54.1%, p = 0.069)**
  - Hazard 0.77 (0.73, 0.82)

**Major vascular event**

- **Death**
  - Hazard 0.92 (0.89, 0.95)

**Cholesterol Treatment Trialists’ (CTT) Collaborators, Lancet 2012.**