**Multimedia Appendix 5: Costs related to in-ambulance telemedicine**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Base-Case Value</th>
<th>Calculation/ Assumption/ Source</th>
<th>Distribution</th>
<th>Alpha</th>
<th>Beta</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost per teleconsultation</td>
<td>$143 (€107.52)</td>
<td>RIZIV nomenclature 102675 multiplied by 2 – we assume a teleconsultation will cost double a normal consultation</td>
<td>Gamma</td>
<td>400</td>
<td>0.13</td>
</tr>
<tr>
<td>Cost of installation of one telemedicine device</td>
<td>$34 554 (€26 000)</td>
<td>Based on commercial offer from Zebra Academy©: Hardware cost = € 36.000 Service cost (including connectivity &amp; training) = € 14.000 Hardware cost linearly amortized on 3 years (=12.000/year) Summed service cost and amortized hardware cost to get installation cost</td>
<td>Gamma</td>
<td>400</td>
<td>65</td>
</tr>
<tr>
<td>Number of patients that can be treated with one device in one year</td>
<td>150</td>
<td>Conservative assumption based on activation rates of the PreSSUB-I trial [1] (3 activations per week)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Estimated total cost for in-ambulance telemedicine for 1000 patients in one year</td>
<td>$159 425 (€119 959)</td>
<td>Number of installed ambulances * Cost of installation of one telemedicine device + number of patients in cohort * cost per teleconsultation 7 * €26 000 + 1000 * €53.76</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

NA= Not Applicable, RIZIV = Rijksinstituut voor ziekte-en invaliditeitsverzekering