***Supplementary Table 1:* Life expectancy gains in men under different scenarios, 2005-2019**

| **Country** | **Status Quo** | **EMS avoidable mortality in NMSa** | **EMS preventable mortality in NMSa** | **EMS treatable mortality in NMSa** | **All avoidable deaths removed** | **Only preventable deaths removed** | **Only treatable deaths removed** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Austria | 78.34 | 0.00 | 0.00 | 0.00 | 5.47 | 3.83 | 1.42 |
| Belgium | 77.98 | 0.00 | 0.00 | 0.00 | 5.19 | 3.73 | 1.28 |
| Bulgaria | 70.55 | 4.02 | 1.95 | 1.89 | 8.06 | 4.43 | 2.95 |
| Croatia | 73.71 | 3.21 | 2.11 | 1.00 | 7.73 | 5.00 | 2.17 |
| Cyprus | 79.36 | 0.27 | 0.21 | 0.17 | 4.68 | 2.98 | 1.54 |
| Czech Republic | 74.93 | 2.40 | 1.38 | 0.95 | 6.94 | 4.31 | 2.16 |
| Denmark | 77.93 | 0.00 | 0.00 | 0.00 | 4.96 | 3.43 | 1.34 |
| Estonia | 70.54 | 5.98 | 4.25 | 1.43 | 10.54 | 7.10 | 2.49 |
| Finland | 77.46 | 0.00 | 0.00 | 0.00 | 6.49 | 4.67 | 1.52 |
| France | 78.46 | 0.00 | 0.00 | 0.00 | 5.13 | 3.76 | 1.21 |
| Germany | 78.09 | 0.00 | 0.00 | 0.00 | 5.20 | 3.43 | 1.55 |
| Hungary | 71.22 | 5.40 | 3.52 | 1.56 | 9.83 | 6.26 | 2.63 |
| Ireland | 78.91 | 0.00 | 0.00 | 0.00 | 4.93 | 3.30 | 1.44 |
| Italy | 79.76 | 0.00 | 0.00 | 0.00 | 4.39 | 2.95 | 1.30 |
| Latvia | 68.32 | 7.42 | 4.83 | 2.04 | 11.68 | 7.38 | 3.01 |
| Lithuania | 68.06 | 7.78 | 5.24 | 1.98 | 12.11 | 7.84 | 2.96 |
| Luxembourg | 79.56 | 0.00 | 0.00 | 0.00 | 4.65 | 3.23 | 1.25 |
| Malta | 78.69 | 0.47 | 0.19 | 0.39 | 4.98 | 3.01 | 1.77 |
| Netherlands | 79.27 | 0.00 | 0.00 | 0.00 | 4.02 | 2.67 | 1.22 |
| Poland | 72.56 | 3.35 | 2.14 | 1.10 | 7.69 | 4.92 | 2.24 |
| Portugal | 77.28 | 0.00 | 0.00 | 0.00 | 5.41 | 3.58 | 1.59 |
| Romania | 70.65 | 5.79 | 3.24 | 2.20 | 10.21 | 5.93 | 3.30 |
| Slovakia | 72.29 | 4.21 | 2.37 | 1.63 | 8.66 | 5.12 | 2.77 |
| Slovenia | 76.76 | 1.69 | 1.43 | 0.27 | 6.43 | 4.64 | 1.48 |
| Spain | 79.27 | 0.00 | 0.00 | 0.00 | 4.85 | 3.27 | 1.40 |
| Sweden | 79.86 | 0.00 | 0.00 | 0.00 | 4.20 | 2.80 | 1.27 |
| United Kingdom | 78.65 | 0.00 | 0.00 | 0.00 | 5.39 | 3.45 | 1.72 |
| New member states | 72.87 | 4.01 | 2.53 | 1.28 | 8.43 | 5.30 | 2.43 |
| Established member states | 78.65 | 0.00 | 0.00 | 0.00 | 5.01 | 3.43 | 1.39 |
| aNMS = New member states, EMS = Established member states; | | | | | | | |