# Change in life expectancy, UK compared with other high income nations

Table R1.1 shows the average annual change in life expectancy by decade for XX HMD nations including the UK. Countries are ordered by the average improvement in the 2010s (2010 until last available year). Figure R1.1A in the webappendix R1.A shows the same results graphically.

The countries with the fastest average improvement in life expectancies in the 2010s include Belarus (0.38 years/year for females, 0.61 years/year for males), Ukraine (0.34 females, 0.49 males), Russia (0.34 females, 0.48 males), Lithuania (0.23 females, 0.45 males), and Poland (0.25 females, 0.32 males).

By contrast, the countries with the slowest improvements in the 2010s include the USA (0.05 females, 0.03 males), Iceland (0.04 females, 0.09 males), the United Kingdom (0.09 females, 0.16 males), Netherlands (0.07 females, 0.19 males), and Germany (0.10 females, 0.17 males).

The fastest-improving countries also tended to experience the slowest rates of improvement, or severe deteriorations (worsenings), in life expectancy change in the 1990s.The similarity between average rates of improvement in the 2010s in Germany and the UK is noteworthy, with average sex specific improvement rates within 0.01 years per year of each other (0.09 compared with 0.10 for females in the UK and Germany respectively; 0.16 compared with 0.17 for males). The German data covers 2010-2017 inclusive, whereas for the UK the data extends to 2016. Further analysis of annual improvement rates in the USA, the UK, the Netherlands and Germany is presented in appendix R1.B.

**1.2.1 HMD Average change in e0 by decade**

**1.2.1.1 Figure of HMD Average change in e0 by decade**

**1.2.1.2 Table of HMD Average change in e0e0 by decade**

|  | **Female** | | | | **Male** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **1980s** | **1990s** | **2000s** | **2010s** | **1980s** | **1990s** | **2000s** | **2010s** |
| Australia | 0.129 | 0.267 | 0.199 | 0.127 | 0.224 | 0.339 | 0.299 | 0.191 |
| Austria | 0.291 | 0.217 | 0.202 | 0.130 | 0.328 | 0.288 | 0.262 | 0.235 |
| Belarus | 0.083 | -0.242 | 0.245 | 0.379 | 0.087 | -0.454 | 0.248 | 0.613 |
| Belgium | 0.251 | 0.195 | 0.157 | 0.139 | 0.272 | 0.205 | 0.279 | 0.229 |
| Bulgaria | 0.112 | 0.019 | 0.223 | 0.126 | -0.018 | -0.009 | 0.197 | 0.150 |
| Canada | 0.186 | 0.118 | 0.169 | 0.131 | 0.252 | 0.225 | 0.270 | 0.176 |
| Czechia | 0.168 | 0.265 | 0.222 | 0.195 | 0.146 | 0.321 | 0.283 | 0.231 |
| Denmark | 0.064 | 0.113 | 0.215 | 0.250 | 0.090 | 0.222 | 0.263 | 0.301 |
| Estonia | 0.069 | 0.123 | 0.392 | 0.281 | 0.164 | -0.052 | 0.481 | 0.460 |
| Finland | 0.116 | 0.213 | 0.208 | 0.136 | 0.181 | 0.287 | 0.274 | 0.274 |
| France | 0.251 | 0.185 | 0.190 | 0.109 | 0.256 | 0.249 | 0.281 | 0.211 |
| Germany | NA | 0.259 | 0.173 | 0.101 | NA | 0.297 | 0.266 | 0.165 |
| Greece | 0.186 | 0.149 | 0.216 | 0.122 | 0.135 | 0.109 | 0.193 | 0.240 |
| Hungary | 0.107 | 0.178 | 0.263 | 0.143 | -0.031 | 0.143 | 0.345 | 0.305 |
| Iceland | 0.003 | 0.127 | 0.223 | 0.040 | 0.302 | 0.133 | 0.222 | 0.091 |
| Ireland | 0.212 | 0.155 | 0.355 | 0.166 | 0.201 | 0.169 | 0.423 | 0.305 |
| Israel | 0.310 | 0.220 | 0.272 | 0.134 | 0.280 | 0.181 | 0.303 | 0.147 |
| Italy | 0.303 | 0.205 | 0.199 | 0.192 | 0.324 | 0.247 | 0.311 | 0.276 |
| Japan | 0.337 | 0.212 | 0.244 | 0.119 | 0.286 | 0.121 | 0.236 | 0.199 |
| Latvia | 0.111 | -0.013 | 0.263 | 0.242 | 0.177 | -0.114 | 0.332 | 0.286 |
| Lithuania | 0.064 | 0.073 | 0.160 | 0.229 | 0.140 | -0.051 | 0.079 | 0.447 |
| Luxembourg | 0.314 | 0.275 | 0.220 | 0.123 | 0.154 | 0.306 | 0.386 | 0.180 |
| Netherlands | 0.086 | 0.053 | 0.221 | 0.067 | 0.136 | 0.167 | 0.321 | 0.191 |
| New Zealand | 0.244 | 0.238 | 0.215 | 0.228 | 0.198 | 0.357 | 0.320 | 0.302 |
| Norway | 0.074 | 0.128 | 0.194 | 0.157 | 0.110 | 0.228 | 0.298 | 0.268 |
| Poland | 0.110 | 0.223 | 0.253 | 0.251 | 0.078 | 0.217 | 0.298 | 0.319 |
| Portugal | 0.333 | 0.171 | 0.288 | 0.212 | 0.332 | 0.163 | 0.374 | 0.258 |
| Russia | 0.170 | -0.207 | 0.236 | 0.340 | 0.312 | -0.433 | 0.298 | 0.482 |
| Slovakia | 0.113 | 0.181 | 0.186 | 0.201 | 0.011 | 0.204 | 0.254 | 0.296 |
| Slovenia | 0.393 | 0.203 | 0.301 | 0.175 | 0.410 | 0.249 | 0.402 | 0.291 |
| Spain | 0.217 | 0.194 | 0.221 | 0.163 | 0.120 | 0.199 | 0.314 | 0.239 |
| Sweden | 0.190 | 0.133 | 0.144 | 0.099 | 0.222 | 0.229 | 0.227 | 0.174 |
| Switzerland | 0.231 | 0.154 | 0.171 | 0.150 | 0.203 | 0.272 | 0.285 | 0.271 |
| Taiwan | 0.216 | 0.216 | 0.335 | 0.170 | 0.181 | 0.173 | 0.292 | 0.138 |
| Ukraine | 0.126 | -0.158 | 0.124 | 0.338 | 0.168 | -0.352 | 0.174 | 0.490 |
| United Kingdom | 0.168 | 0.168 | 0.244 | 0.091 | 0.230 | 0.229 | 0.316 | 0.164 |
| USA | 0.120 | 0.079 | 0.165 | 0.047 | 0.180 | 0.232 | 0.217 | 0.029 |
| *Note:* |  |  |  |  |  |  |  |  |
| Average annual change in life expectancy by decade, sex, and country  NA: Not Available |  |  |  |  |  |  |  |  |