**Appendix E Table 6. Quality of Life Results of Included One-Time Screening Studies (KQs 1 and 3)**

| **Comparison** | **Author, Year**  **Trial Name** | **Study Quality** | **N Randomized** | **Country** | **Mean Length of FU, years** | **Instrument** | **Group** | **Quality of Life Data** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Screening vs. no screening | Ashton, 2007113 (Men only) & Scott, 200236 (Women only)  Chichester | Fair | 15,382  Men: 6,040  Women: 9,342 | UK | 15.0 (Men only)  10 (Women only) | -- | -- | -- |
| Thompson, 201212, 170  MASS | Good | 67,770 | UK | 13.1 | SF-36, HADS,  EQ-5D | Surgery | 3 months  Physical Health, mean: 50.0ǂ  Mental Health, mean: 48.4║  Depression, mean: 3.0ǂ  Anxiety, mean: 29.1ǂ  Weighted Health Index, mean: 0.85ǂ  12 months  Physical Health. mean: 51.1ǂ  Mental Health, mean: 50.6ǂ  Depression, mean: 3.1ǂ  Anxiety, mean: 28.6ǂ  Weighted Health Index, mean: 0.85ǂ |
| Surveillance | 3 months  Physical Health, mean: 51.0ǂ  Mental Health, mean: 51.7║  Depression, mean: 3.0ǂ  Anxiety, mean: 28.9ǂ  Weighted Health Index, mean: 0.83ǂ  12 months  Physical Health, mean: 49.8ǂ  Mental Health, mean: 50.1ǂ  Depression, mean: 3.2ǂ  Anxiety, mean: 29.6ǂ  Weighted Health Index, mean: 0.83ǂ |
| Lindholt, 2010147  Viborg | Good | 12,639 | Denmark | 13 | -- | -- | -- |
| Lindholt, 2017146    VIVA | Fair | 50,156  (Screening group n=25,078) | Denmark | 4.4\* | -- | -- | -- |
| McCaul, 201615, 168  Western Australia | Fair | 38,480 | Australia | 12.8\* | MOS SF-36; HADS,  EQ-5D | AAA Group | 12 months  Physical Functioning, mean (SD): 62.9 (27.4)║  Mental Health, mean (SD): 81.3 (15.9)  Anxiety/Depression, mean (SD): 3.6 (3.0)  Health States Score, mean (SD): 0.83 (0.18) |
| CG | 12 months  Physical Functioning, mean (SD): 68.9 (25.8)║  Mental Health, mean (SD): 78.3 (17.7)  Anxiety/Depression, mean (SD): 3.6 (3.2)  Health States Score, mean (SD): 0.80 (0.21) |
| Screening harms | Lesjak, 2012141 | Fair | NRǂ | Australia | 6 month | MOS  SF-36, HADS | AAA Group | *Physical Functioning*  Prescreening score, mean (SD): 40.4 (10.7)  Postscreening score, mean (SD): 41.1 (11.7)  *Mental Health*  Prescreening score, mean (SD): 49.6 (11.1)  Postscreening score, mean (SD): 49.8 (11.9)  *Depression*  Prescreening score, mean (SD): 5.1 (4.1)  Postscreening score, mean (SD): 5.5 (4.6)  *Anxiety*  Prescreening score, mean (SD): 5.1 (3.9)  Postscreening score, mean (SD): 5.9 (4.9) |
| CG | *Physical Functioning*  Prescreening score, mean (SD): 41.3 (11.7)  Postscreening score, mean (SD): 44.3 (10.2)  *Mental Health*  Prescreening score, mean (SD): 51.6 (10.5)  Postscreening score, mean (SD): 51.8 (10.7)  *Depression*  Prescreening score, mean (SD): 4.2 (3.3)  Postscreening score, mean (SD): 4.1 (3.6)  *Anxiety*  Prescreening score, mean (SD): 5.3 (3.8)  Postscreening score, mean (SD): 4.8 (3.7) |
| Lucarotti, 1997150 | Fair | NR | UK | 1 month | GHQ | AAA Group | Prescreening score, mean (SD): 15.71 (9.13)ǂ  Postscreening score, mean (SD): 14.25 (7.68)ǂ |
| CG | Prescreening score, mean (SD): 15.51 (9.17)ǂ  Postscreening score, mean (SD): 14.36 (7.28)ǂ |
| Wanhainen, 2004174 | Fair | NR | Sweden | 1.0 | SF-36 | AAA Group | *Physical Health Cluster*  Mean score before screening: 43ǂ  Mean score after screening: 43ǂ  *Mental Health Cluster*  Mean score before screening: 52║  Mean score after screening: 49║ |
| CG | *Physical Health Cluster*  Mean score before screening: 46ǂ  Mean score after screening: 44ǂ  *Mental Health Cluster*  Mean score before screening: 51ǂ  Mean score after screening: 52ǂ |

\* Median.

† 53 men completed the questionnaire (out of 516).

ǂ Between group: p = NS.

§ Within group: p = NS.

║ p<0.05.

**Abbreviations:** AAA = abdominal aortic aneurysm; CG = Control group; EQ-5D = European Quality of Life; GHQ = General Health Questionnaire; HADS = Hospital Anxiety & Depression Scale; MASS = Multicenter Aneurysm Screening Study; MOS SF-36 = Medical Outcomes Short Form-36; NR = not reported; SD = standard deviation; SF-36 = Short Form-36; UK = United Kingdom.