Appendix F Table 1. Mortality Data for Age Subpopulation in One-Time Screening Trials (KQ1a)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author, Year**  **Trial Name**  **Quality** | **Mean Followup, years** | **Age Description** | **Group** | **N Analyzed** | **All-Cause Mortality, n (%)\*** | **HR**  **(95% CI)** | **AAA-Related Mortality, n (%)\*** | **HR**  **(95% CI)** | **30-Day Mortality, n (%)\*** | **30-Day Mortality for Elective Repairs, n (%)\*** | **30-Day Mortality For Emergency**  **Repairs,**  **n (%)\*** |
| Lindholt, 2010147  Viborg  Good | 13 | ≤65 years | IG | 2,742 | NR | NA | 6 (0.2) | 0.36 (0.14–0.93) | NR | NR | NR |
| CG | 2,687 | NR | 16 (0.6) | NR | NR | NR |
| 66–73 years | IG | 3,591 | NR | NA | 13 (0.4) | 0.33 (0.18–0.62) | NR | NR | NR |
| CG | 3,619 | NR | 39 (1.1) | NR | NR | NR |
| 64–73 years  Main trial results (see Table 2) | IG | - | - | - | 19 (0.3) | 0.34 (0.20–0.57) | - | - | - |
| CG | - | - | - | 55 (0.9) | - | - | - |
| McCaul, 201615  Western Australia  Fair | 12.8 | 65–74 years | IG | 13,266 | 5,456 (41.1) | NR† | 48 (0.4) | 0.92 (0.62–1.36) † | 14 (3.7)‡ | 6 (1.6)§ | 8 (57.1)║ |
| CG | 13,239 | 5,501 (41.6) | 52 (0.4) | 21 (6.9)‡ | 11 (4.0)§ | 10 (37.0)║ |
| 64-83 years  Main trial results (see Table 2) | IG | 19,249 | 9,739 (50.6) | NR† | 90 (0.46) | 0.91 (0.68–1.21)† | 34 (6.0)# | 18 (3.4)\*\* | 16 (61.5)†† |
| CG | 19,231 | 9,832 (51.1) | 98 (0.51) | 36 (7.9)# | 17 (4.1)\*\* | 19 (43.2)†† |

\* P value for interaction NR.

† Rate ratio (95% CI). Rate ratios reported as AAA-related and non-AAA deaths, not available for all-cause mortality.

‡ N analyzed, IG: 382, CG: 303.

§ N analyzed for IG: 368, CG: 276.

║ N analyzed for IG: 14, CG: 27.

# N analyzed for IG: 562, CG: 458.

\*\* N Analyzed for IG: 536, CG: 414.

†† N Analyzed for IG: 26, CG: 44.

**Abbreviations:** AAA = abdominal aortic aneurysm; CG = control group; CI = confidence intervals; HR = hazard ratio; IG = intervention group; N = population size; n = sample size; NA = not applicable; NR = not reported.