Appendix F Table 3. AAA Prevalence, Rupture, and Surgery Data for Age Subpopulations in One-Time Screening Trials (KQ3a)

| **Author, Year**  **Trial Name**  **Quality** | **Mean Followup, years** | **Description** | **Group** | **N Analyzed** | **AAA Prevalence, n (%)** | **AAA Rupture, n (%)** | **HR**  **(95% CI) for AAA Rupture** | **All AAA Procedures, n (%)** | **Elective Surgery, n (%)** | **Emergency Surgery, n (%)** | **P-Value for Interaction** | **HR**  **(95% CI) for Emergency Surgery** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| McCaul, 201615  Western Australia  Fair | 12.8 | Age 65–74 years | IG | 13,266 | 785.6 (6.6) | NR | NR | 382 (2.9) | 368 (2.77) | 14 (0.11)\* | NR | NR |
| CG | 13,239 | NR | NR | 303 (2.3) | 276 (2.08) | 27 (0.20)\* |
| Age 64–83 years  Main trial results (see Table 1) | IG | 19,249 | 879 (7.2)† | 72ǂ | NR | 562 (2.9) | 536 (2.78)§ | 26 (0.14)\* | NR | NR |
| CG | 19,231 | NR | 99 | 458 (2.4) | 414 (2.15) | 44 (0.23)\* | NR |

\* Total surgery for rupture.

† N analyzed for prevalence: 12,203.

ǂ p=0.04.

§ p<0.001.

**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.