

**Supplementary Table 3. Mortality risk by age subgroup ( $\geq 65$  yr) in Cox models referenced to the AV group**

| Variable   | 65–69 years      |                | 70–79 years      |                | 80–89 years      |                | $\geq 90$ years  |                |
|------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|            | aHR (95% CI)     | <i>p</i> value | aHR (95% CI)     | <i>p</i> value | aHR (95% CI)     | <i>p</i> value | aHR (95% CI)     | <i>p</i> value |
| CVC        | 4.03 (3.69–4.39) | < 0.001        | 3.40 (3.26–3.55) | < 0.001        | 3.11 (2.97–3.25) | < 0.001        | 2.99 (2.57–3.47) | < 0.001        |
| DM         | 1.27 (1.15–1.41) | < 0.001        | 1.25 (1.18–1.31) | < 0.001        | 0.99 (0.94–1.04) | 0.705          | 0.93 (0.78–1.10) | 0.410          |
| HTN        | 0.80 (0.67–0.95) | 0.012          | 0.81 (0.72–0.91) | 0.001          | 0.98 (0.85–1.12) | 0.762          | 1.07 (0.68–1.69) | 0.756          |
| CAD        | 1.44 (1.30–1.60) | < 0.001        | 1.36 (1.29–1.45) | < 0.001        | 1.13 (1.05–1.21) | 0.001          | 1.24 (0.96–1.61) | 0.100          |
| CVA        | 1.47 (1.37–1.57) | < 0.001        | 1.30 (1.25–1.35) | < 0.001        | 1.13 (1.08–1.18) | < 0.001        | 1.01 (0.87–1.18) | 0.871          |
| PVD        | 1.02 (0.96–1.09) | 0.520          | 1.05 (1.01–1.09) | 0.009          | 1.03 (0.98–1.07) | 0.206          | 0.97 (0.84–1.12) | 0.651          |
| Female sex | 0.82 (0.77–0.88) | < 0.001        | 0.81 (0.79–0.84) | < 0.001        | 0.81 (0.77–0.84) | < 0.001        | 0.77 (0.67–0.89) | < 0.001        |
| Age        | 1.07 (1.04–1.09) | < 0.001        | 1.06 (1.06–1.07) | < 0.001        | 1.04 (1.03–1.05) | < 0.001        | 1.00 (0.97–1.03) | 0.975          |

AV, arteriovenous access; aHR, adjusted hazard ratio; CI, confidence interval; CVC, central venous catheter; DM, diabetes mellitus; HTN, hypertension; CAD, coronary artery disease; CVA, cerebrovascular accident; PVD, peripheral vascular disease

Stratified age groups include 65–69, 70–79, 80–89, and  $\geq 90$  years. aHRs are calculated using the AV group as the reference.