



**Supplementary Figure 1 Assessment of publication bias for all-cause mortality (ACM) and atrial fibrillation (AF) using funnel plots (top panels) and LFK index plots (bottom panels).** In the ACM funnel plot (top-left), studies are symmetrically distributed around the pooled effect size ( $\ln ES \sim 0.3$ ), indicating no major signs of publication bias. Correspondingly, the LFK index for ACM (bottom-left) is 0.96, which falls within the range suggesting no asymmetry. In contrast, the AF funnel plot (top-right) also shows general symmetry around the pooled effect size ( $\ln ES \sim 1$ ), but with slightly more dispersion. The LFK index for AF (bottom-right) is 1.14, which indicates minor asymmetry, suggestive of mild but not substantial publication bias. Overall, these findings indicate no evidence of publication bias for ACM and only minor asymmetry for AF.