**Supplementary Fig. S1a.** Incidence rate ratios (IRRs) from random effects models for catheter-associated urinary tract infection (CAUTI) stratified by study design. Data markers indicate IRRs and error bars indicate 95% confidence intervals (95% CI). Note. IV, inverse variance.
**Supplementary Fig. S1b.** Funnel plot with pseudo 95% confidence limits for studies on catheter-associated urinary tract infection (CAUTI). Note. s.e., standard error; irr, incidence rate ratio.

**Supplementary Fig. S2a.** Incidence rate ratios (IRRs) from random-effects models for central-line–associated bloodstream infection (CLABSI). Data markers indicate IRRs and error bars indicate 95% confidence intervals (95% CI). Note. IV, inverse variance.
**Supplementary Fig. S2b.** Funnel plot with pseudo 95% confidence limits for studies on central-line associated bloodstream infection (CLABSI). Note. s.e., standard error; irr, incidence rate ratio.

**Supplementary Fig. S3a.** Risk ratios (RR) from random effects models for surgical site infection (SSI) stratified by study design. Data markers indicate risk ratios and error bars indicate 95% confidence intervals (95% CI). Note. IV, inverse variance. (1Reference #104; 2Reference #105)
**Supplementary Fig. S3b.** Funnel plot with pseudo 95% confidence limits for studies on surgical site infection (SSI). Note. s.e., standard error; or, odds ratio.

**Supplementary Fig. S4a.** Incidence rate ratios (IRRs) from random effects models for ventilator-associated pneumonia (VAP) in uncontrolled before-and-after studies. Data markers indicate IRRs and error bars indicate 95% confidence intervals (95% CI). Note. IV, inverse variance.
**Supplementary Fig. S4b.** Funnel plot with pseudo 95% confidence limits for studies on ventilator-associated pneumonia (VAP). Note. s.e., standard error; irr, incidence rate ratio.

**Supplementary Fig. S5a.** Risk ratios (RRs) from random effects models for ventilator-associated pneumonia (VAP) stratified by study design. Data markers indicate RRs and error bars indicate 95% confidence intervals (95% CI). Note. IV, inverse variance.

**Supplementary Fig. S5b.** Funnel plot with pseudo 95% confidence limits for studies on ventilator-associated pneumonia (VAP). Note. s.e., standard error; or, odds ratio.