

Subgroup

N

Propensity score adjusted hazard ratio (95% CI)

Overall

Propensity score adjusted 7,404 0.84 (0.75–0.94)

Age group (years)

15–39 185 1.38 (0.49–3.88)
 40–59 1,279 0.99 (0.66–1.48)
 60–79 4,635 0.81 (0.70–0.94)
 80+ 1,305 0.84 (0.67–1.06)

Sex

Female 3,004 0.89 (0.75–1.06)
 Male 4,400 0.80 (0.69–0.94)

Preadmission chronic diseases

Kidney disease 573 0.65 (0.35–1.20)
 No kidney disease 6,831 0.85 (0.75–0.96)
 Pulmonary disease 767 0.82 (0.52–1.30)
 No pulmonary disease 6,637 0.84 (0.75–0.95)
 Clinical obesity 768 0.94 (0.67–1.32)
 No clinical obesity 6,636 0.83 (0.73–0.94)

Other preadmission medication

Insulin use 2,023 0.74 (0.58–0.95)
 No insulin use 5,381 0.88 (0.77–1.00)
 Statin use 3,775 0.79 (0.68–0.93)
 No statin use 3,629 0.90 (0.76–1.06)
 Beta-blocker use 2,859 0.80 (0.66–0.97)
 No beta-blocker use 4,545 0.87 (0.75–1.00)
 Aspirin use 2,745 0.83 (0.69–1.00)
 No aspirin use 4,659 0.85 (0.73–0.98)

Days from hospital to ICU admission

0 3,313 0.85 (0.73–1.00)
 1 2,216 0.97 (0.75–1.25)
 >1 1,875 0.77 (0.61–0.96)

Diagnostic category

Pneumonia 284 1.13 (0.68–1.90)
 Septicemia 255 0.76 (0.50–1.16)
 Other infectious disease 437 0.46 (0.24–0.90)
 Diabetes 214 0.83 (0.30–2.32)
 Other endocrinology 133 1.31 (0.55–3.16)
 Cardiovascular disease 2,259 0.88 (0.71–1.09)
 Respiratory disease 539 0.98 (0.70–1.38)
 Gastrointestinal/liver disease 872 0.90 (0.65–1.23)
 Cancer 828 0.55 (0.36–0.86)
 Trauma/poisoning 633 0.82 (0.52–1.30)
 Other 950 0.87 (0.62–1.20)

Surgery at or before ICU admission

No surgery 2,983 0.85 (0.73–1.00)
 Acute, non-cardiac surgery 2,096 0.87 (0.71–1.06)
 Acute, cardiac surgery 269 1.36 (0.81–2.28)
 Elective, non-cardiac surgery 1,029 0.71 (0.42–1.18)
 Elective, cardiac surgery 1,027 0.74 (0.31–1.78)

Hemoglobin A1c level

< 6.50% 1,578 0.87 (0.68–1.11)
 6.50%–6.99% 1,396 0.53 (0.38–0.73)
 7.00%–7.99% 1,460 1.02 (0.79–1.32)
 ≥ 8% 1,374 1.00 (0.77–1.29)
 Missing 1,596 0.79 (0.61–1.01)

Mechanical ventilation

No 4,303 0.82 (0.68–0.98)
 Yes 3,101 0.82 (0.71–0.96)

0.3 0.4 0.5 0.6 0.8 1 1.5 2 2.5