

Appendix

Appendix Table 1: APACHE-III-J diagnosis and sub-diagnosis sepsis or infectious disease codes identified in the current study population.

Diagnosis code group	APACHE-III diagnosis code	APACHE-III diagnosis sub-code*
Cardiovascular	109 – Other cardiovascular disease	109.06 – Endocarditis
Respiratory	210 – Parasitic pneumonia	210.02 – Pneumonia, parasitic (e.g., pneumocystis pneumonia)
	212 – Bacterial pneumonia	212.01 – Pneumonia, bacterial
		212.02 – Pneumonia, other
	213 – Viral pneumonia	213.01 – Pneumonia, viral
	1301 – Respiratory infection	1301.01 – Infection/abscess, other surgery for
Sepsis	501 – Sepsis, other than urinary	501.01 – Sepsis, cutaneous/soft tissue
		501.02 – Sepsis, gastrointestinal
		501.03 – Sepsis, gynaecologic
		501.04 – Sepsis, other
		501.05 – Sepsis, pulmonary
		501.06 – Sepsis, unknown
	502 – Sepsis of urinary tract origin	502.01 – Sepsis, renal/UTI (including bladder)
	503 – Sepsis with shock, other than urinary	503.01 – Sepsis with shock, not urinary tract
	504 – Sepsis of urinary tract origin with shock	504.01 – Sepsis with shock, urinary tract
Neurological	404 – Neurologic infection	404.01 – Abscess, neurologic
		404.02 – Encephalitis
		404.03 – Meningitis
	1506 – Other neurologic disease	1506.01 – Abscess/Infection-cranial, surgery for
Gastrointestinal	313 – Other GI inflammatory disease	313.01 – Cholangitis
		313.03 – GI abscess/cyst
		313.05 – Peritonitis
	1406 – Cholecystitis/cholangitis	1406.01 – Cholecystectomy/ cholangitis, surgery for (gallbladder removal)

Appendix Table 1 (continued): APACHE-III-J diagnosis and sub-diagnosis sepsis or infectious disease codes identified in the current study population.

	1409 – Fistula/abscess surgery	1409.01 – Fistula/abscess, surgery for (not inflammatory bowel disease)
	1412 – Peritonitis	1412.01 – Peritonitis, surgery for
Renal/genitourinary	901 – Renal disorders	901.04 – Renal infection/abscess
Skin & soft tissue	1102 – Cellulitis/soft tissue infection	1102.01 – Cellulitis & localised soft tissue infections
	1904 – Cellulitis/soft tissue infection	1904.01 Cellulitis and localised soft tissue infections, surgery for

*Not all patients in the current study had an APACHE-III-J sub-diagnosis code, but all had an APACHE-III-J diagnosis code.
UTI = urinary tract infection; GI = gastrointestinal.

Appendix Table 2A: Modified sequential organ failure assessment (mSOFA) scoring.

Clinical variable	Score: 0	Score: 1	Score: 2	Score: 3	Score: 4
PaO ₂ /FIO ₂	≥400mmHg	<400mmHg	<300mmHg	<200mmHg with respiratory support	<100mmHg with respiratory support
Platelets	≥150×10 ⁹ /L	<150×10 ⁹ /L	<100×10 ⁹ /L	<50×10 ⁹ /L	<20×10 ⁹ /L
Bilirubin	<20mmol/L	20–32mmol/L	33–101mmol/L	102–204mmol/L	>204mmol/L
Cardiovascular	MAP ≥70mmHg	MAP <70mmHg	-	-	Any use of inotropes
Glasgow Coma Scale score	15 points	13–14 points	10–12 points	6–9 points	<6 points
Creatinine	<110mmol/L	110–170mmol/L	171–299mmol/L	300–400mmol/L	>440mmol/L
Urine output	-	-	-	<500mL/day	<200mL/day

Appendix Table 2B: Obstetric modified sequential organ failure assessment (omSOFA) scoring.

Clinical variable	Score: 0	Score: 1	Score: 2
PaO ₂ /FIO ₂	≥400mmHg	300–400mmHg	<300mmHg
Platelets	≥150×10 ⁹ /L	100–150×10 ⁹ /L	<100×10 ⁹ /L
Bilirubin	<20mmol/L	20–32mmol/L	>32mmol/L
Cardiovascular	MAP ≥70mmHg	MAP <70mmHg	Use of inotropes
Glasgow Coma Scale score	Alert	Rousable by voice	Rousable by pain
Creatinine	<90mmol/L	90–120mmol/L	>120mmol/L
Urine output	-	-	-

PaO₂/FIO₂ = ratio of arterial oxygen partial pressure to fractional inspired oxygen; MAP = mean arterial pressure.