

**Appendix 1 (as supplied by author): Results of univariable and multivariable analyses of risk factors associated with all-cause, in-hospital and 90-day postdischarge mortality**

Supplementary Table 1: Univariable analyses of risk factors contributing to all-cause, in-hospital, and 90-day postdischarge mortality among 925 patients with *Staphylococcus aureus* bacteremia between 2008 and 2012.

Variable	All-cause Mortality		In-hospital Mortality		Postdischarge Mortality	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
Age (decades)	1.38 (1.27 - 1.50)	<0.0001	1.43 (1.30 - 1.57)	<0.0001	1.17 (1.02 - 1.36)	0.031
Male gender	0.99 (0.74 - 1.33)	0.97	1.025 (0.75 - 1.40)	0.88	0.91 (0.53 - 1.56)	0.74
Injection drug use	0.39 (0.25 - 0.60)	<0.0001	0.385 (0.24 - 0.63)	<0.0001	0.46 (0.21 - 1.04)	0.063
Methicillin resistance	1.60 (1.21 - 2.13)	0.0011	1.40 (1.03 - 1.90)	0.031	2.09 (1.24 - 3.53)	0.0060
Sepsis	1.61 (1.17 - 2.22)	0.0032	1.66 (1.17 - 2.36)	0.0043	1.34 (0.75 - 2.39)	0.33
Pneumonia	1.69 (1.12 - 2.54)	0.012	1.83 (1.19 - 2.80)	0.010	1.19 (0.52 - 2.73)	0.68
Skin/soft tissue infection	0.59 (0.40 - 0.86)	0.0071	0.57 (0.37 - 0.88)	0.010	0.71 (0.35 - 1.43)	0.34
Admission to the intensive care unit	3.71 (2.70 - 5.08)	<0.0001	4.44 (3.20 - 6.16)	<0.0001	1.53 (0.82 - 2.89)	0.19
Coronary artery disease	1.27 (0.89 - 1.82)	0.18	1.37 (0.94 - 2.00)	0.10	0.98 (0.48 - 1.98)	0.95
Congestive heart failure	1.18 (0.73 - 1.93)	0.50	1.07 (0.63 - 1.83)	0.79	1.52 (0.66 - 3.50)	0.33
Peripheral vascular disease	0.70 (0.40 - 1.24)	0.22	0.70 (0.38 - 1.30)	0.26	0.77 (0.27 - 2.20)	0.63
Acute kidney injury (dialysis-dependent)	1.09 (0.67 - 1.78)	0.73	1.05 (0.62 - 1.79)	0.84	1.20 (0.49 - 2.91)	0.69
Hepatic failure	8.56 (3.15 - 23.30)	<0.0001	6.25 (2.62 - 15.0)	<0.0001	6.38 (1.49 - 27.35)	0.013
Prolonged ventilation >21 d	3.76 (2.18 - 6.48)	<0.0001	4.34 (2.53 - 7.49)	<0.0001	1.56 (0.45 - 5.39)	0.49
Operative intervention	0.76 (0.55 - 1.05)	0.096	0.86 (0.61 - 1.21)	0.37	0.57 (0.30 - 1.09)	0.089
Cerebrovascular disease	1.75 (1.21 - 2.54)	0.0033	1.42 (0.95 - 2.12)	0.086	2.44 (1.32 - 4.51)	0.0046
Dementia	2.10 (1.20 - 3.67)	0.0091	2.18 (1.23 - 3.86)	0.0077	1.49 (0.50 - 4.39)	0.47
COPD	1.51 (0.95 - 2.40)	0.079	1.05 (0.63 - 1.77)	0.84	2.80 (1.40 - 5.59)	0.0037
Connective tissue disease	1.00 (0.43 - 2.32)	0.99	0.74 (0.28 - 2.0)	0.56	1.73 (0.50 - 6.06)	0.39
Peptic ulcer disease	1.34 (0.67 - 2.70)	0.41	0.64 (0.26 - 1.57)	0.33	3.53 (1.44 - 8.63)	0.0057
Liver disease	0.90 (0.63 - 1.30)	0.58	0.84 (0.56 - 1.25)	0.38	1.11 (0.58 - 2.11)	0.75
Hepatitis B/C infection	0.43 (0.20 - 0.94)	0.034	0.44 (0.18 - 1.04)	0.060	0.49 (0.12 - 2.09)	0.34
Diabetes	0.85 (0.62 - 1.18)	0.33	0.88 (0.62 - 1.24)	0.46	0.83 (0.45 - 1.52)	0.54
Pre-existing renal disease	0.94 (0.66 - 1.34)	0.73	0.92 (0.62 - 1.36)	0.67	1.04 (0.54 - 2.02)	0.90
Solid malignancy	2.43 (1.73 - 3.41)	<0.0001	2.03 (1.42 - 2.90)	0.0001	2.98 (1.67 - 5.32)	0.0002
Hematogenous malignancy (leukemia / lymphoma)	2.08 (0.87 - 4.95)	0.098	1.97 (0.81 - 4.82)	0.14	2.07 (0.44 - 9.68)	0.35
Cirrhosis	1.31 (0.62 - 2.80)	0.48	1.36 (0.62 - 3.02)	0.44	1.08 (0.24 - 4.73)	0.92
Metastatic cancer	4.02 (2.48 - 6.50)	<0.0001	2.93 (1.82 - 4.72)	<0.0001	5.38 (2.57 - 11.26)	<0.0001
AIDS	0.24 (0.056 - 1.06)	0.060	0.16 (0.02 - 1.22)	0.077	0.56 (0.07 - 4.26)	0.57

Supplementary Table 2: Multivariable analyses of risk factors contributing to all-cause, in-hospital, and 90-day postdischarge mortality among 925 patients with *Staphylococcus aureus* bacteremia between 2008 and 2012

Variable	All-cause Mortality <sup>1</sup>		In-hospital Mortality <sup>1</sup>		Post-discharge Mortality <sup>1</sup>	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
Age (decades)	1.46 (1.33 - 1.60)	<0.0001	1.58 (1.42 - 1.77)	<0.0001	-	-
Methicillin resistance	1.70 (1.23 - 2.34)	0.0014	-	-	2.13 (1.22 - 3.70)	0.0075
Sepsis	1.61 (1.12 - 2.32)	0.01	1.68 (1.13 - 2.49)	0.011	-	-
Admission to the intensive care unit	5.18 (3.57 - 7.50)	<0.0001	4.88 (3.27 - 7.27)	<0.0001	-	-
Hepatic failure	9.87 (3.24 - 30.13)	<0.0001	6.53 (2.37 - 18.0)	0.0003	10.81 (2.41 - 48.62)	0.0019
Prolonged ventilation >21 d	-	-	2.00 (1.06 - 3.78)	0.033	-	-
Operative intervention	0.57 (0.39 - 0.84)	0.0039	-	-	-	-
Cerebrovascular disease	-	-	-	-	2.55 (1.32 - 4.92)	0.0052
COPD	-	-	-	-	2.29 (1.10 - 4.76)	0.0265
Metastatic cancer	4.83 (2.80 - 8.34)	<0.0001	3.37 (1.95 - 5.81)	<0.0001	6.67 (3.06 - 14.5)	<0.0001

<sup>1</sup>Variables that were significant in the univariable analyses for each outcome and clinically significant variables were independently analyzed by logistic regression.