

Supplementary Table 3. Factors associated with sepsis/bacteraemia among excluding one-day admissions

		Excluding one-day admissions (N=55,825)					
		OR	(95% CI)		Adj-OR	(95% CI)	
Sex	Male	Ref			Ref		
	Female	1.03	0.96	1.11	1.08	1.01	1.16
Age	20-49 years	ref			ref		
	≥ 50 years	1.05	0.98	1.14	0.99	0.91	1.07
Remoteness of residence	Major city	ref			ref		
	Inner regional	1.20	1.10	1.30	1.12	1.03	1.23
	Outer regional	1.14	1.04	1.25	1.06	0.97	1.16
	Remote/very remote	1.57	1.37	1.81	1.44	1.25	1.67
Socioeconomic status	Q1 most affluent	Ref			Ref		
	Q2	0.95	0.83	1.09	0.95	0.83	1.09
	Q3	1.16	1.02	1.31	1.12	0.98	1.27
	Q4	1.26	1.11	1.41	1.18	1.05	1.34
	Q5 most disadvantaged	1.29	1.15	1.44	1.18	1.05	1.33
Diabetes		1.18	1.10	1.27	1.27	1.18	1.37
Alcohol		1.42	1.33	1.52	1.49	1.39	1.59
<u>Covariates adjusted for the above listed variables</u>							
Charlson co-morbidity index	0	Ref			Ref		
	1	1.37	1.25	1.52	1.73	1.56	1.92
	2	1.68	1.53	1.84	2.53	2.27	2.81
	≥3	2.27	2.09	2.47	3.56	3.22	3.94
<i>Complications of cirrhosis</i>							
Hepatorenal syndrome		3.81	3.24	4.49	3.54	3.00	4.17
Hepatic encephalopathy		3.57	3.18	4.02	3.26	2.89	3.68
Variceal bleeding		1.34	1.23	1.46	1.28	1.18	1.39
Ascites		1.80	1.68	1.93	1.72	1.60	1.85
Hepatocellular carcinoma		0.55	0.47	0.65	0.60	0.51	0.70
<i>Infections</i>							
Urinary tract infection		4.48	4.12	4.87	4.63	4.25	5.05
Bacterial pneumonia/ Lower Respiratory tract infection		4.57	4.19	4.99	4.46	4.08	4.87
Aspiration Pneumonia		6.29	5.45	7.25	6.06	5.25	7.00
Spontaneous bacterial peritonitis		6.38	5.45	7.48	6.11	5.20	7.17
<i>Cirrhosis aetiology</i>							
Chronic Hepatitis C		0.98	0.91	1.06	1.02	0.94	1.10
Chronic Hepatitis B		1.19	1.02	1.38	1.28	1.10	1.49
NAFLD/NASH		1.28	1.10	1.51	1.36	1.16	1.61
Primary sclerosing cholangitis		6.05	4.94	7.41	7.54	6.13	9.28
<i>Admission data</i>							
Length of stay	1 day	--			--		
	2-4 days	Ref			Ref		
	5-9 days	3.02	2.71	3.37	3.00	2.69	3.35
	10-19 days	7.60	6.82	8.47	7.54	6.77	8.41
	20-29 days	12.77	11.20	14.56	12.60	11.04	14.37

	30+ days		19.57	17.40	22.02	19.24	17.08	21.66
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Note: Reference group (Ref); Adjusted odds ratio (Adj-OR)