

1 **Supplementary Table 1:** Characteristics of liver transplant recipients with an antibiotic allergy labels
 2 (AAL) and those with no antibiotic allergy label (non--AAL)

Baseline Demographics	Antibiotic Allergy (AAL) N= 51 n (%)	No Antibiotic Allergy (non-AAL) N=52 n (%)	P-value
Age (years)			
Median (IQR)	55 (17-60)	53 (45 – 57.75)	0.58
Age adjusted Charlson Comorbidity Index			
Median (IQR)	5 (4- 7)	6.5 (5 – 9)	0.15
Sex			
Male	23 (45)	39 (75)	0.003
Mental health history	9 (18)	6 (12)	0.42
Ethnicity			
Caucasian	44 (86)	41 (79)	0.44
African	2 (4)	1 (2)	>0.99
Asian	5 (10)	10 (19)	0.26
Underlying primary liver disease			
Alcoholic cirrhosis	8 (16)	9 (17)	>0.99
Amyloidosis	0 (0)	1 (19)	>0.99
Autoimmune hepatitis	2 (4)	3 (6)	>0.99
Haemochromatosis	1 (2)	1 (2)	>0.99
Hepatitis (B, C, B/C)	12 (24)	23 (44) 0.04	0.04
Idiopathic	2 (4)	0 (0)	0.24
Non alcoholic steatohepatitis	2 (4)	2 (4)	>0.99
Primary Biliary Cholangitis	5 (10)	2 (4)	0.27
Primary hepatoma	1 (2)	0 (0)	>0.99
Primary Sclerosing Cholangitis	14 (28)	9 (17)	0.24

Other	4 (8)	2 (4)	0.68
Number of transplants			
> 1	5 (10)	3 (6)	0.49
Rejection history (≥ 1 episode)	16 (31)	13 (25)	0.51
Infection related ICU admission	5 (8)	5 (8)	>0.99
Readmission with an infectious diagnosis			
Median (IQR)	3 (2-9)	2 (2-5)	0.36
Total number of infective diagnosis in the 12-month post transplant	130	103	0.01
Common infective syndromes			
Biliary sepsis/cholangitis	5 (4)	6 (6)	0.54
Bacteraemia and/or sepsis not otherwise specified	10 (8)	13 (13)	0.27
Clostridium difficile infection	9 (15)	4 (3)	0.40
Intra-abdominal infection	3 (2)	8 (8)	0.07
Pneumonia	4 (3)	8 (8)	0.14
Liver transplant prophylaxis	49 (38)	52 (50)	0.06
Spontaneous bacterial peritonitis	5 (4)	2 (2)	0.47
Length of stay			
Median (IQR)	12 (6-22)	13 (8-29.75)	0.20
Mortality (all cause) within 60-days from transplant			
	6 (18)	4 (8)	0.52