

1 Supplemental Table 1. 28-day Represcription and hospitalization rates by pathogen an antibiotic
 2 received

Antibiotic class / Pathogen	Frequency (%)	Non-susceptible to class N = 5395 % (n)	28-day Represcription n/N (%)		Hospitalizations ^b n/N (%)	
			Susceptible	Non-susceptible ^a	Susceptible	Non-susceptible
All Empiric Treatments Received						
Overall			802/4237 (18.9)	397/1158 (34.3)	351/4237 (8.3)	176/1158 (15.2)
<i>Escherichia coli</i>	4,081 (75.6%)		556/3197 (17.4%)	302/884 (34.2%)	218/3107 (7.0%)	120/884 (13.6%)
<i>Klebsiella pneumoniae</i>	733 (13.6%)		148/598 (24.7%)	51/135 (37.8%)	78/598 (13.0%)	25/135 (18.5%)
<i>Proteus mirabilis</i>	284 (5.3%)		45/214 (21.0%)	25/70 (35.7%)	22/214 (10.3%)	15/70 (21.4%)
Other ^c	297 (5.5%)		53/228 (23.3%)	20/69 (29.0%)	28/228 (12.3%)	16/69 (23.2%)
Fluoroquinolone						
Overall	100.0	22.8 (1232)	237/1483 (16.0)	140/390 (35.9)	130/1483 (8.8)	65/390 (16.7)

<i>Escherichia coli</i>	70.7	27.2 (1,111)	126/979 (12.9)	128/345 (37.1)	59/979 (6.0)	53/345 (15.4)
<i>Klebsiella pneumoniae</i>	16.2	6.8 (50)	68/288 (23.6)	3/16 (18.8)	40/288 (13.9)	3/16 (18.8)
<i>Proteus mirabilis</i>	5.5	18.7 (53)	12/83 (14.5)	7/20 (35.0)	12/83 (14.5)	6/20 (30.0)
Other ^c	7.6	6.1 (18)	31/133 (23.3)	2/9 (22.2)	19/133 (14.3)	3/9 (33.3)
ESBL+/β-lactam						
ESBL+	100.0	6.6 (356)	224/980 (22.9)	91/329 (27.7)	81/980 (8.3)	48/329 (14.6)
β-lactam		329/1309 [25.1]				
<i>Escherichia coli</i>	76.1	7.4 (303)	152/737 (20.6)	71/259 (27.4)	46/737 (6.2)	28/259 (10.8)
<i>Klebsiella pneumoniae</i>	13.6	6.0 (44)	48/149 (32.2)	11/29 (37.9)	22/149 (14.8)	8/29 (27.6)
<i>Proteus mirabilis</i>	7.0	2.5 (7)	21/79 (26.6)	2/12 (16.7)	11/79 (13.9)	3/12 (25.0)
Other	3.4	0.7 (2)	3/15 (20.0)	7/29 (24.1)	2/15 (13.3)	9/29 (31.0)
Trimethoprim-sulfamethoxazole						
Overall	100.0	27.6 (1491)	134/753 (17.8)	106/288 (36.8)	71/753 (9.4)	45/288 (15.6)

<i>Escherichia coli</i>	76.9	32.6 (1,330)	87/536 (16.2)	98/265 (37.0)	47/536 (8.8)	39/265 (14.7)
<i>Klebsiella pneumoniae</i>	11.9	12.6 (92)	21/112 (18.8)	5/12 (41.7)	13/112 (11.6)	2/12 (16.7)
<i>Proteus mirabilis</i>	6.0	15.8 (45)	12/53 (22.6)	2/9 (22.2)	4/53 (7.5)	3/9 (33.3)
Other	5.2	8.1 (24)	14/52 (26.9)	1/2 (50.0)	7/52 (13.5)	1/2 (50.0)
Nitrofurantoin						
Overall	100.0	15.9 (857)	214/1055 (20.3)	64/173 (37.0)	73/1055 (6.9)	23/173 (13.3)
<i>Escherichia coli</i>	81.7	3.4 (138)	197/971 (20.3)	9/32 (28.1)	66/971 (6.8)	5/32 (15.6)
<i>Klebsiella pneumoniae</i>	10.9	58.3 (427)	12/55 (21.8)	32/79 (40.5)	6/55 (10.9)	12/79 (15.2)
<i>Proteus mirabilis</i>	2.6	53.5 (152)	-	13/32 (40.6)	-	3/32 (9.4)
Other	4.8	47.1 (140)	5/29 (17.2)	10/30 (33.3)	1/29 (3.4)	3/30 (10.0)
Fosfomycin						
Overall	N/A	N/A	0/1 (0.0)	-	0/1 (0.0)	-
<i>Klebsiella pneumoniae</i>	N/A	N/A	0/1 (0.0)	-	0/1 (0.0)	-