

Online Data Supplement

Potential Impact of HAP Guidelines on Empiric Antibiotics: An Evaluation of 113 VA Medical Centers

A. Doran Bostwick, Barbara E Jones, MD, MSc, Robert Paine, MD, Matthew Bidwell Goetz, MD, Matthew Samore, MD, Makoto Jones, MD, MSc

Table E1.

Organisms Recovered from 3,562 Patients with HAP			
Organism	Sample Type	Number of positive cultures	Proportion Resistant
<i>Staphylococcus aureus</i>	sputum	323	0.45
<i>Pseudomonas aeruginosa</i>	sputum	184	0.11
Genus Klebsiella	sputum	154	0.14
<i>Escherichia coli</i>	sputum	106	0.06
<i>Staphylococcus aureus</i>	blood	100	0.45
Genus Enterobacter	sputum	80	0.24
Genus Serratia	sputum	40	0.15
Genus Klebsiella	blood	38	0.05
<i>Escherichia coli</i>	blood	37	0.03
Genus Stenotrophomonas	sputum	32	0
Genus Proteus	sputum	31	0
Genus Citrobacter	sputum	21	0.05
Genus Acinetobacter	sputum	12	0
Genus Enterobacter	blood	12	0.25
<i>Pseudomonas aeruginosa</i>	blood	12	0.25
Genus Proteus	blood	<10	0
Genus Serratia	blood	<10	0
Genus Stenotrophomonas	blood	<10	0
Genus Acinetobacter	blood	<10	0.2
Genus Citrobacter	blood	<10	0
Genus Morganella	sputum	<10	0
<i>Raoultella planticola</i>	sputum	<10	0
<i>Pantoea agglomerans</i>	sputum	<10	0.5
<i>Raoultella ornithinolytica</i>	sputum	<10	0
Genus Providencia	sputum	<10	0
<i>Hafnia alvei</i>	sputum	<10	1
Family Enterobacteriaceae	sputum	<10	0

Table E2.

Organisms Recovered from 31,560 Patients with Secondary Pneumonia			
Organism	Sample Type	Number of positive cultures	Proportion Resistant
<i>Staphylococcus aureus</i>	sputum	960	0.54
<i>Pseudomonas aeruginosa</i>	sputum	646	0.11
Genus Klebsiella	sputum	475	0.16
<i>Escherichia coli</i>	sputum	304	0.13
Genus Enterobacter	sputum	244	0.26
<i>Staphylococcus aureus</i>	blood	198	0.48
Genus Stenotrophomonas	sputum	145	0.02
Genus Serratia	sputum	132	0.10
Genus Klebsiella	blood	97	0.15
Genus Proteus	sputum	83	0.02
<i>Escherichia coli</i>	blood	82	0.04
Genus Citrobacter	sputum	64	0.11
Genus Acinetobacter	sputum	63	0.11
<i>Pseudomonas aeruginosa</i>	blood	45	0.09
Genus Enterobacter	blood	30	0.27
Genus Serratia	blood	18	0.00
Genus Proteus	blood	14	0.00
Genus Acinetobacter	blood	12	0.08
Genus Providencia	sputum	12	0.42
Genus Morganella	sputum	11	0.00
Genus Stenotrophomonas	blood	<10	0.00
Genus Citrobacter	blood	<10	0.17
<i>Raoultella planticola</i>	sputum	<10	0.00
<i>Hafnia alvei</i>	sputum	<10	0.20
<i>Pantoea agglomerans</i>	sputum	<10	0.33
Genus Providencia	blood	<10	0.33
Genus Morganella	blood	<10	0.00
Family Enterobacteriaceae	sputum	<10	0.00
<i>Cronobacter sakazakii</i>	sputum	<10	0.00
<i>Kluyvera</i> species	sputum	<10	0.00
<i>Raoultella ornithinolytica</i>	sputum	<10	0.00
<i>Pantoea</i> species	blood	<10	0.00
<i>Pantoea</i> species	sputum	<10	0.00
<i>Yokenella regensburgei</i>	sputum	<10	0.00
<i>Leclercia adecarboxylata</i>	sputum	<10	0.00