

Algorithm	Isolates included in the analysis	Function to apply the algorithm using the AMR package for R
<b>Isolate-based</b> (= all isolates)	1, 2, 3, 4	None – no selection required
<b>Patient-based</b> (= first isolate per patient)	1	<code>first_isolate(x,                   method = "patient-based")</code>
<b>Episode-based</b> (= first isolate per episode)		
7-Day interval from initial isolate	1, 3, 4	<code>first_isolate(x,                   method = "episode-based",                   episode_days = 7)</code>
30-Day interval from initial isolate	1, 4	<code>first_isolate(x,                   method = "episode-based",                   episode_days = 30)</code>
<b>Phenotype-based</b> (= first isolate per phenotype)		
Major difference in any antimicrobial result	1, 2, 3, 4	<code>first_isolate(x,                   method = "phenotype-based")</code>
Major difference in only oxacillin result	1,2	<code>first_isolate(x[, c("mo", "OXA")],                   method = "phenotype-based")</code>