

Supplemental Table S1. Multivariate Analysis on risk factors associated to total antimicrobial use.

	Unstandardized coefficient		Standardized coefficient	P value
	B	Std Error	Beta	
Constant	15.549	5.907		0.010
SAPS II (value)	-0.190	0.094	-0.203	0.047
Heart Disease (yes)	-1.528	2.770	-0.048	0.583
Pneumopathy (yes)	1.644	3.223	0.046	0.612
DM (yes)	-0.943	3.074	-0.026	0.760
CKD (yes)	5.558	3.986	0.139	0.167
Year of admission (PP)	8.868	2.851	0.280	0.003
ICU stay (days)	1.239	0.355	0.551	0.001
IMV duration (days)	-0.047	0.511	-0.015	0.927
Acute respiratory failure after surgery (yes)	-8.108	3.072	-0.256	0.010

Reference in parenthesis; PP=pre-Pandemic; SAPS II, Simplified Acute Physiology Score II; DM, diabetes mellitus; CKD, chronic kidney disease; Intra-Pandemic (2020); ICU, intensive care unit; IMV, invasive mechanical ventilation.

Supplemental Table S2: Microbial isolations in blood, respiratory tract and urinary tract samples, divided in families in the two years.

PP: Pre-Pandemic		IP: Intra-Pandemic	
FAMILIES	n. (%)	n. (%)	FAMILIES
<i>Staphylococcus spp.</i>	23 (35.4)	18 (28.1)	<i>Candida spp.</i> §
<i>Enterobacteriaceae</i>	11 (16.9)	13 (20.3)	<i>Staphylococcus spp.</i>
<i>Pseudomonas aeruginosa</i>	10 (15.4)	9 (14.1)	<i>Others*</i>
<i>Others*</i>	6 (9.2)	8 (12.5)	<i>Pseudomonas aeruginosa</i>
<i>Acinetobacter baumannii</i>	3 (4.6)	5 (7.8)	<i>Enterobacteriaceae</i>
<i>Morganella morganii</i>	3 (4.6)	5 (7.8)	<i>Stenotrophomonas maltophilia</i>
<i>Streptococcus spp.</i>	2 (3.1)	2 (3.1)	<i>Streptococcus spp.</i>
<i>Candida spp.</i>	2 (3.1)	2 (3.1)	<i>Enterococcus faecalis</i>
<i>Stenotrophomonas maltophilia</i>	2 (3.1)	1 (1.6)	<i>Klebsiella spp.</i>
<i>Enterococcus faecalis</i>	1 (1.5)	1 (1.6)	<i>Haemophilus influenzae</i>
<i>Klebsiella spp.</i>	1 (1.5)	0 (0)	<i>Acinetobacter baumannii</i>
<i>Haemophilus influenzae</i>	1 (1.5)	0 (0)	<i>Morganella morganii</i>
Total number of isolated microorganisms	65	64	Total number of isolated microorganisms

Legionella pneumophila, Proteus mirabilis, Corynebacterium spp., Serratia marcescens, Actinomyces, Lactobacillus casei, Citrobacter freundii, Alcaligenes xylosoxidans, Propionibacterium acnes. § Chi-square test with $p < 0.05$ comparing the relative percentage in the two groups.

Figure S1: Relative percentage of isolated microorganisms' classes in the cumulative positive cultures, bloodstream cultures, respiratory tract cultures and urinary tract cultures in the two years of analysis. PP, pre-pandemic; IP, intra-pandemic.

