

Characteristics	Readmission, N = 243			Dead, N = 1,431			Alive, N = 2,301		
	VAP N = 39	Hospital- acquired BSI N = 122	Healthcare- associated BSI N = 82	VAP N = 613	Hospital- acquired BSI N = 630	Healthcare- associated BSI N = 188	VAP N = 675	Hospital- acquired BSI N = 1,133	Healthcare- associated BSI N = 493
<b>Age (years)</b>									
Mean ± SD	56 ± 17	50 ± 24	62 ± 24	58 ± 22	56 ± 22	52 ± 24	48 ± 25	47 ± 25	49 ± 27
<b>Sex</b>									
Female	18 (46%)	48 (39%)	36 (44%)	198 (32%)	277 (44%)	78 (41%)	216 (32%)	476 (42%)	241 (49%)
Male	21 (54%)	74 (61%)	46 (56%)	415 (68%)	353 (56%)	110 (59%)	459 (68%)	657 (58%)	252 (51%)
<b>Region</b>									
Eastern Mediterranean Region	5 (13%)	18 (15%)	20 (24%)	50 (8.2%)	31 (4.9%)	20 (11%)	46 (6.8%)	68 (6.0%)	26 (5.3%)
South-East Asian Region	23 (59%)	42 (34%)	28 (34%)	305 (50%)	309 (49%)	95 (51%)	164 (24%)	420 (37%)	230 (47%)
Western Pacific Region	11 (28%)	62 (51%)	34 (41%)	258 (42%)	290 (46%)	73 (39%)	465 (69%)	645 (57%)	237 (48%)
<b>World Bank income status</b>									
High income	2 (5.1%)	37 (30%)	24 (29%)	24 (3.9%)	61 (9.7%)	29 (15%)	54 (8.0%)	181 (16%)	100 (20%)
Upper middle income	21 (54%)	51 (42%)	35 (43%)	394 (64%)	399 (63%)	67 (36%)	413 (61%)	656 (58%)	231 (47%)
Lower middle income	16 (41%)	33 (27%)	23 (28%)	161 (26%)	153 (24%)	63 (34%)	185 (27%)	233 (21%)	88 (18%)
Low income	0 (0%)	1 (0.8%)	0 (0%)	34 (5.5%)	17 (2.7%)	29 (15%)	23 (3.4%)	63 (5.6%)	74 (15%)
<b>Primary admission reason</b>									
Cardiovascular condition	0 (0%)	6 (4.9%)	0 (0%)	44 (7.2%)	51 (8.1%)	9 (4.8%)	32 (4.7%)	67 (5.9%)	18 (3.7%)
Connective tissue disease	0 (0%)	1 (0.8%)	0 (0%)	3 (0.5%)	1 (0.2%)	0 (0%)	2 (0.3%)	9 (0.8%)	0 (0%)
Dermatological disease	0 (0%)	2 (1.6%)	1 (1.2%)	0 (0%)	8 (1.3%)	1 (0.5%)	2 (0.3%)	15 (1.3%)	3 (0.6%)
Endocrine / Metabolic disorder	0 (0%)	0 (0%)	0 (0%)	9 (1.5%)	12 (1.9%)	4 (2.1%)	5 (0.7%)	19 (1.7%)	2 (0.4%)
Gastrointestinal disorder	3 (7.7%)	10 (8.2%)	7 (8.5%)	45 (7.3%)	62 (9.8%)	23 (12%)	29 (4.3%)	133 (12%)	85 (17%)
Genitourinary disorder	0 (0%)	0 (0%)	1 (1.2%)	2 (0.3%)	5 (0.8%)	3 (1.6%)	2 (0.3%)	6 (0.5%)	6 (1.2%)
Gynaecological disorder	0 (0%)	1 (0.8%)	0 (0%)	0 (0%)	4 (0.6%)	1 (0.5%)	3 (0.4%)	10 (0.9%)	4 (0.8%)
Haematological disease	0 (0%)	7 (5.7%)	2 (2.4%)	6 (1.0%)	15 (2.4%)	4 (2.1%)	3 (0.4%)	53 (4.7%)	9 (1.8%)
Infectious disease	4 (10%)	18 (15%)	15 (18%)	111 (18%)	96 (15%)	41 (22%)	123 (18%)	137 (12%)	152 (31%)
Neurological disease	11 (28%)	8 (6.6%)	2 (2.4%)	82 (13%)	47 (7.5%)	20 (11%)	134 (20%)	107 (9.4%)	17 (3.4%)
Oncologic disorder	2 (5.1%)	27 (22%)	17 (21%)	17 (2.8%)	72 (11%)	15 (8.0%)	18 (2.7%)	166 (15%)	53 (11%)
Orthopaedic condition	0 (0%)	2 (1.6%)	2 (2.4%)	7 (1.1%)	16 (2.5%)	0 (0%)	9 (1.3%)	31 (2.7%)	10 (2.0%)
Pulmonary disease	2 (5.1%)	6 (4.9%)	7 (8.5%)	172 (28%)	97 (15%)	26 (14%)	135 (20%)	98 (8.6%)	44 (8.9%)
Renal disorder	5 (13%)	11 (9.0%)	5 (6.1%)	13 (2.1%)	34 (5.4%)	12 (6.4%)	9 (1.3%)	57 (5.0%)	36 (7.3%)
Trauma	9 (23%)	2 (1.6%)	1 (1.2%)	35 (5.7%)	18 (2.9%)	4 (2.1%)	97 (14%)	53 (4.7%)	5 (1.0%)
Undetermined	0 (0%)	1 (0.8%)	1 (1.2%)	5 (0.8%)	5 (0.8%)	2 (1.1%)	1 (0.1%)	3 (0.3%)	3 (0.6%)
Others	3 (7.7%)	20 (16%)	21 (26%)	62 (10%)	87 (14%)	23 (12%)	71 (11%)	169 (15%)	46 (9.3%)
<b>Charlson comorbidity index</b>									
Median [IQR]	0 [0, 1]	1 [0, 2]	1 [0, 2]	0 [0, 2]	1 [0, 2]	1 [0, 2]	0 [0, 1]	0 [0, 2]	1 [0, 2]
<b>Severity score of disease</b> <sup>*</sup>									
Median [IQR]	8 [4, 8]	4 [0, 4]	4 [0, 4]	8 [8, 12]	8 [4, 8]	8 [4, 8]	8 [4, 8]	4 [0, 8]	4 [0, 8]
<b>Usage of medical devices</b> <sup>†</sup>									
Yes	39 (100%)	120 (98%)	80 (98%)	612 (100%)	628 (100%)	182 (97%)	674 (100%)	1,103 (97%)	466 (95%)
No	0 (0%)	2 (1.6%)	2 (2.4%)	1 (0.2%)	2 (0.3%)	6 (3.2%)	1 (0.1%)	30 (2.6%)	27 (5.5%)
<b>ICU/HD admissions of enrolment</b>									
Yes	37 (95%)	38 (31%)	23 (28%)	520 (85%)	451 (72%)	131 (70%)	625 (93%)	584 (52%)	158 (32%)
No	2 (5.1%)	84 (69%)	59 (72%)	93 (15%)	179 (28%)	57 (30%)	50 (7.4%)	549 (48%)	335 (68%)
<b>Types of pathogens</b>									
Gram-negative bacteria	17 (44%)	78 (64%)	56 (68%)	439 (72%)	361 (57%)	109 (58%)	487 (72%)	739 (65%)	345 (70%)
Gram-positive bacteria	1 (2.6%)	32 (26%)	17 (21%)	20 (3.3%)	115 (18%)	54 (29%)	34 (5.0%)	232 (20%)	113 (23%)
Fungi	0 (0%)	6 (4.9%)	0 (0%)	4 (0.7%)	70 (11%)	15 (8.0%)	5 (0.7%)	66 (5.8%)	8 (1.6%)
Polymicrobial	21 (54%)	6 (4.9%)	9 (11%)	150 (24%)	84 (13%)	10 (5.3%)	149 (22%)	96 (8.5%)	27 (5.5%)
<b>Gram-negative bacteria</b>									
Third-generation cephalosporins-susceptible	15 (38%)	82 (67%)	53 (65%)	161 (26%)	331 (53%)	132 (70%)	296 (44%)	717 (63%)	316 (64%)
Third-generation cephalosporins-resistant	6 (15%)	22 (18%)	22 (27%)	65 (11%)	87 (14%)	35 (19%)	84 (12%)	196 (17%)	125 (25%)
Carbapenem-resistant	18 (46%)	18 (15%)	7 (8.5%)	387 (63%)	212 (34%)	21 (11%)	295 (44%)	220 (19%)	52 (11%)

<sup>\*</sup> Standardized severity score included qSOFA for adults, sepsis six recognition features for children, and general WHO severity signs for neonates.

<sup>†</sup> Medical devices involved one or more of the following: peripheral intravenous catheter, central venous catheter, indwelling urinary catheter, and intubation/machine ventilator.