

Supplementary table 2. Patient and episode characteristics (n (%)) of first and first recurrent episodes of bacteraemia, by pathogen group and susceptibility category. (A) Enterobacteriaceae, (B) *Pseudomonas* spp., (C) *Enterococcus* spp., (D) *S. aureus*.

A. Enterobacteriaceae

	First episodes			Recurrent episodes		
	Susceptible	Single non-susceptible	Co-non-susceptible	Susceptible	Single non-susceptible	Co-non-susceptible
Sex						
Male	35828 (53.0)	3463 (62.6)	28 (75.7)	1029 (59.7)	191 (65.4)	7 (87.5)
Female	31778 (47.0)	2073 (37.4)	9 (24.3)	695 (40.3)	101 (34.6)	1 (12.5)
Unknown	2 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Age category (y)						
0-11	1318 (1.9)	144 (2.6)	1 (2.7)	63 (3.7)	16 (5.5)	0 (0.0)
12-45	4329 (6.4)	339 (6.1)	4 (10.8)	98 (5.7)	16 (5.5)	2 (25.0)
46-65	15418 (22.8)	1562 (28.2)	13 (35.1)	478 (27.7)	102 (34.9)	4 (50.0)
66-75	18115 (26.8)	1576 (28.5)	8 (21.6)	499 (28.9)	84 (28.8)	1 (12.5)
76-85	19972 (29.5)	1460 (26.4)	9 (24.3)	461 (26.7)	56 (19.2)	1 (12.5)
>85	8456 (12.5)	455 (8.2)	2 (5.4)	125 (7.3)	18 (6.2)	0 (0.0)
Type of care						
ICU	4814 (7.1)	763 (13.8)	10 (27.0)	150 (8.7)	45 (15.4)	4 (50.0)
Non-ICU	37964 (56.2)	3214 (58.1)	24 (64.9)	1194 (69.3)	198 (67.8)	4 (50.0)
Outpatient departments ^a	23422 (34.6)	1460 (26.4)	2 (5.4)	357 (20.7)	45 (15.4)	0 (0.0)
Other ^b	355 (0.5)	33 (0.6)	1 (2.7)	8 (0.5)	0 (0.0)	0 (0.0)
Unknown	1053 (1.6)	66 (1.2)	0 (0.0)	15 (0.9)	4 (1.4)	0 (0.0)
Acquisition of infection ^c						
Nosocomial	7059 (10.4)	1239 (22.4)	13 (35.1)	552 (32.0)	124 (42.5)	5 (62.5)
Community	39795 (58.9)	2671 (48.2)	17 (45.9)	604 (35.0)	86 (29.5)	0 (0.0)
Unknown	20754 (30.7)	1626 (29.4)	7 (18.9)	568 (32.9)	82 (28.1)	3 (37.5)
Causative pathogen						
<i>Escherichia coli</i>	48878 (72.3)	3329 (60.1)	5 (13.5)	1226 (71.1)	169 (57.9)	0 (0.0)
<i>Klebsiella pneumoniae</i>	7017 (10.4)	679 (12.3)	13 (35.1)	220 (12.8)	48 (16.4)	5 (62.5)
<i>Klebsiella non-pneumoniae</i>	2414 (3.6)	110 (2.0)	2 (5.4)	61 (3.5)	6 (2.1)	0 (0.0)
<i>Enterobacter cloacae</i>	1853 (2.7)	680 (12.3)	4 (10.8)	47 (2.7)	37 (12.7)	2 (25.0)
<i>Enterobacter non-cloacae</i> / undefined	539 (0.8)	221 (4.0)	1 (2.7)	10 (0.6)	10 (3.4)	0 (0.0)
<i>Citrobacter</i> species	807 (1.2)	184 (3.3)	1 (2.7)	12 (0.7)	6 (2.1)	0 (0.0)
<i>Proteus</i> species	3215 (4.8)	63 (1.1)	3 (8.1)	42 (2.4)	3 (1.0)	0 (0.0)
<i>Serratia</i> species	1226 (1.8)	93 (1.7)	4 (10.8)	71 (4.1)	6 (2.1)	0 (0.0)
<i>Salmonella</i> species	869 (1.3)	10 (0.2)	0 (0.0)	25 (1.5)	1 (0.3)	0 (0.0)
<i>Morganella</i> species	524 (0.8)	113 (2.0)	2 (5.4)	6 (0.3)	6 (2.1)	1 (12.5)
<i>Pantoea</i> species	113 (0.2)	12 (0.2)	0 (0.0)	2 (0.1)	0 (0.0)	0 (0.0)
<i>Providencia</i> species	77 (0.1)	4 (0.1)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
<i>Hafnia alvei</i>	35 (0.1)	38 (0.7)	2 (5.4)	1 (0.1)	0 (0.0)	0 (0.0)
Other Enterobacteriaceae	41 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Susceptible: susceptible (S) to third-generation cephalosporins and carbapenems. Single non-susceptible: (intermediate) resistant (I/R) to third-generation cephalosporins, susceptible (S) to carbapenems. Co-non-susceptible: (intermediate) resistant (I/R) to third-generation cephalosporins and carbapenems.

^a Including emergency departments and day care.

^b Long-term care facilities, general practices, rehabilitation centers, dialysis centers, burn wound care centers, and 'other' types of care.

^c Bacteremia was considered nosocomial if the patient received inpatient care at the day of sampling, and the sample was taken >2 days after the date of admission. If the sample was taken ≤2 days after admission or if the patient received outpatient care, or an 'other' type of care, the bacteremia was defined as community-acquired. If the admission date was unknown for inpatients, or if the type of care was unknown, the acquisition was considered unknown.

B. *Pseudomonas* spp.

	First episodes			Recurrent episodes		
	Susceptible	Single non-susceptible	Co-non-susceptible	Susceptible	Single non-susceptible	Co-non-susceptible
Sex						
Male	3004 (67.8)	96 (72.2)	77 (74.8)	58 (51.8)	10 (62.5)	15 (75.0)
Female	1429 (32.2)	37 (27.8)	26 (25.2)	54 (48.2)	6 (37.5)	5 (25.0)
Age category (y)						
0-11	90 (2.0)	2 (1.5)	1 (1.0)	7 (6.3)	0 (0.0)	0 (0.0)
12-45	241 (5.4)	15 (11.3)	14 (13.6)	11 (9.8)	1 (6.3)	3 (15.0)
46-65	1160 (26.2)	30 (22.6)	41 (39.8)	29 (25.9)	8 (50.0)	8 (40.0)
66-75	1311 (29.6)	47 (35.3)	28 (27.2)	37 (33.0)	4 (25.0)	7 (35.0)
76-85	1236 (27.9)	31 (23.3)	18 (17.5)	19 (17.0)	3 (18.8)	1 (5.0)
>85	395 (8.9)	8 (6.0)	1 (1.0)	9 (8.0)	0 (0.0)	1 (5.0)
Type of care						
ICU	648 (14.6)	35 (26.3)	35 (34.0)	11 (9.8)	6 (37.5)	8 (40.0)
Non-ICU	2556 (57.7)	77 (57.9)	53 (51.5)	80 (71.4)	7 (43.8)	6 (30.0)
Outpatient departments ^a	1146 (25.9)	21 (15.8)	7 (6.8)	20 (17.9)	3 (18.8)	2 (10.0)
Other ^b	29 (0.7)	0 (0.0)	5 (4.9)	1 (0.9)	0 (0.0)	3 (15.0)
Unknown	54 (1.2)	0 (0.0)	3 (2.9)	0 (0.0)	0 (0.0)	1 (5.0)
Acquisition of infection ^c						
Nosocomial	940 (21.2)	58 (43.6)	41 (39.8)	34 (30.4)	6 (37.5)	7 (35.0)
Community	2058 (46.4)	36 (27.1)	23 (22.3)	38 (33.9)	4 (25.0)	5 (25.0)
Unknown	1435 (32.4)	39 (29.3)	39 (37.9)	40 (35.7)	6 (37.5)	8 (40.0)
Causative pathogen						
<i>Pseudomonas aeruginosa</i>	4236 (95.6)	125 (94.0)	99 (96.1)	109 (97.3)	16 (100.0)	19 (95.0)
<i>Pseudomonas non-aeruginosa</i>	197 (4.4)	8 (6.0)	4 (3.9)	3 (2.7)	0 (0.0)	1 (5.0)

Susceptible: susceptible (S) to ceftazidime and carbapenems. Single non-susceptible: (intermediate) resistant (I/R) to ceftazidime, susceptible (S) to carbapenems. Co-non-susceptible: (intermediate) resistant (I/R) to ceftazidime and carbapenems.

^a Including emergency departments and day care.

^b Long-term care facilities, general practices, rehabilitation centers, dialysis centers, burn wound care centers, and 'other' types of care.

^c Bacteremia was considered nosocomial if the patient received inpatient care at the day of sampling, and the sample was taken >2 days after the date of admission. If the sample was taken ≤2 days after admission or if the patient received outpatient care, or an 'other' type of care, the bacteremia was defined as community-acquired. If the admission date was unknown for inpatients, or if the type of care was unknown, the acquisition was considered unknown.

C. *Enterococcus* spp.

	First episodes			Recurrent episodes		
	Susceptible	Single non-susceptible	Co-non-susceptible	Susceptible	Single non-susceptible	Co-non-susceptible
Sex						
Male	4443 (69.3)	2874 (62.5)	34 (65.4)	210 (67.5)	200 (62.7)	2 (28.6)
Female	1968 (30.7)	1728 (37.5)	18 (34.6)	101 (32.5)	119 (37.3)	5 (71.4)
Age category (y)						
0-11	301 (4.7)	115 (2.5)	0 (0.0)	26 (8.4)	8 (2.5)	0 (0.0)
12-45	404 (6.3)	404 (8.8)	5 (9.6)	25 (8.0)	36 (11.3)	0 (0.0)
46-65	1549 (24.2)	1610 (35.0)	16 (30.8)	77 (24.8)	134 (42.0)	4 (57.1)
66-75	1866 (29.1)	1399 (30.4)	20 (38.5)	78 (25.1)	83 (26.0)	2 (28.6)
76-85	1819 (28.4)	940 (20.4)	10 (19.2)	94 (30.2)	52 (16.3)	1 (14.3)
>85	472 (7.4)	134 (2.9)	1 (1.9)	11 (3.5)	6 (1.9)	0 (0.0)
Type of care						
ICU	1101 (17.2)	2100 (45.6)	22 (42.3)	56 (18.0)	148 (46.4)	3 (42.9)
Non-ICU	3683 (57.4)	2194 (47.7)	24 (46.2)	198 (63.7)	158 (49.5)	4 (57.1)
Outpatient departments ^a	1480 (23.1)	266 (5.8)	4 (7.7)	47 (15.1)	10 (3.1)	0 (0.0)
Other ^b	88 (1.4)	24 (0.5)	2 (3.8)	9 (2.9)	2 (0.6)	0 (0.0)
Unknown	59 (0.9)	18 (0.4)	0 (0.0)	1 (0.3)	1 (0.3)	0 (0.0)
Acquisition of infection ^c						
Nosocomial	1622 (25.3)	2274 (49.4)	20 (38.5)	129 (41.5)	180 (56.4)	3 (42.9)
Community	2878 (44.9)	692 (15.0)	6 (11.5)	88 (28.3)	31 (9.7)	1 (14.3)
Unknown	1911 (29.8)	1636 (35.5)	26 (50.0)	94 (30.2)	108 (33.9)	3 (42.9)
Causative pathogen						
<i>Enterococcus faecalis</i>	5537 (86.4)	27 (0.6)	1 (1.9)	282 (90.7)	4 (1.3)	0 (0.0)
<i>Enterococcus faecium</i>	402 (6.3)	4483 (97.4)	45 (86.5)	14 (4.5)	308 (96.6)	7 (100.0)
Other <i>Enterococcus</i> spp.	472 (7.4)	92 (2.0)	6 (11.5)	15 (4.8)	7 (2.2)	0 (0.0)

Susceptible: susceptible (S) to aminopenicillins and vancomycin. Single non-susceptible: (intermediate) resistant (I/R) to aminopenicillins, susceptible (S) to vancomycin. Co-non-susceptible: (intermediate) resistant (I/R) to aminopenicillins and vancomycin.

^a Including emergency departments and day care.

^b Long-term care facilities, general practices, rehabilitation centers, dialysis centers, burn wound care centers, and 'other' types of care.

^c Bacteremia was considered nosocomial if the patient received inpatient care at the day of sampling, and the sample was taken >2 days after the date of admission. If the sample was taken ≤2 days after admission or if the patient received outpatient care, or an 'other' type of care, the bacteremia was defined as community-acquired. If the admission date was unknown for inpatients, or if the type of care was unknown, the acquisition was considered unknown.

D. *S. aureus*

	First episodes		Recurrent episodes	
	Susceptible	Single non-susceptible	Susceptible	Single non-susceptible
Sex				
Male	13446 (60.3)	181 (60.9)	820 (61.1)	19 (63.3)
Female	8843 (39.7)	116 (39.1)	521 (38.9)	11 (36.7)
Age category (y)				
0-11	1223 (5.5)	14 (4.7)	32 (2.4)	2 (6.7)
12-45	1930 (8.7)	39 (13.1)	103 (7.7)	3 (10.0)
46-65	6047 (27.1)	82 (27.6)	409 (30.5)	8 (26.7)
66-75	5273 (23.7)	79 (26.6)	356 (26.5)	8 (26.7)
76-85	5627 (25.2)	62 (20.9)	339 (25.3)	9 (30.0)
>85	2189 (9.8)	21 (7.1)	102 (7.6)	0 (0.0)
Type of care				
ICU	1966 (8.8)	54 (18.2)	209 (15.6)	5 (16.7)
Non-ICU	14142 (63.4)	170 (57.2)	1012 (75.5)	25 (83.3)
Outpatient departments ^a	5668 (25.4)	61 (20.5)	102 (7.6)	0 (0.0)
Other ^b	219 (1.0)	9 (3.0)	8 (0.6)	0 (0.0)
Unknown	294 (1.3)	3 (1.0)	10 (0.7)	0 (0.0)
Acquisition of infection ^c				
Nosocomial	4726 (21.2)	84 (28.3)	736 (54.9)	16 (53.3)
Community	10839 (48.6)	126 (42.4)	231 (17.2)	1 (3.3)
Unknown	6724 (30.2)	87 (29.3)	374 (27.9)	13 (43.3)

Susceptible: MSSA. Single non-susceptible: MRSA

^a Including emergency departments and day care.

^b Long-term care facilities, general practices, rehabilitation centers, dialysis centers, burn wound care centers, and 'other' types of care.

^c Bacteremia was considered nosocomial if the patient received inpatient care at the day of sampling, and the sample was taken >2 days after the date of admission. If the sample was taken ≤2 days after admission or if the patient received outpatient care, or an 'other' type of care, the bacteremia was defined as community-acquired. If the admission date was unknown for inpatients, or if the type of care was unknown, the acquisition was considered unknown.