



Surveillance of ICU - acquired Infections

National Feedback Report

Risk Factor Indicators

Year 2019

Sciensano
Scientific Direction of Public Health and Surveillance
National Surveillance of Hospital Infections (NSIH program)

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Table 1: Missing Admission variables

variable	L1 ^a	L2 ^a	Ls ^a	Req ^a	# ^a	% ^a	p10	p25	p50	p75	p90
discharge date from the ICU	V		0	M	0	0.00	0.00	0.00	0.00	0.00	0.00
discharge status	V		0	R	1	0.10	0.00	0.00	0.00	0.00	0.49
discharge date from the hospital	V		0	O	277	26.89	0.00	0.00	0.00	100.00	100.00
discharge status from the hospital	V		0	O	276	26.80	0.00	0.00	0.00	100.00	100.00
SAPS II score	V		0	R	4	0.39	0.00	0.00	0.00	0.00	1.96
APACHE II score	V		0	O	4	0.39	0.00	0.00	0.00	0.00	1.96
PRISM score	V		0	O	9	0.87	0.00	0.00	0.00	1.56	3.43
patient origin	V		0	O	10	0.97	0.00	0.00	0.00	1.56	4.41
type of admission	V		0	R	8	0.78	0.00	0.00	0.00	1.56	3.43
trauma	V		0	R	3	0.29	0.00	0.00	0.00	0.49	1.56
impaired immunity	V		0	O	5	0.49	0.00	0.00	0.00	0.98	3.13
antimicrobial treatment within 48h around admission (<->48h)	V		0	R	8	0.78	0.00	0.00	0.00	1.56	1.96
acute coronary care	V	a	a	R	9	0.87	0.00	0.00	0.00	1.56	2.94
surgery in 30 days before admission	V	a	a	R	1	0.10	0.00	0.00	0.00	0.00	1.56
surgery in 30 days before admission	V	a	a	R	0	0.00	0.00	0.00	0.00	0.00	0.00
Glasgow coma score, estimated	V	a	a	O	124	12.04	0.00	0.00	0.00	23.53	100.00
Glasgow coma score, measured	V	a	a	O	316	30.68	0.00	0.00	0.00	100.00	100.00
total patient variables	V	a	a	O	1055	13.12	9.00	9.00	13.72	24.36	24.36

^a 11 = level 1 variable (denominator-based surveillance) ; !2= level 2 variable (patient-based surveillance) ; L2s= level 2 suboption (0=basic level 2 variables a=extra patient admission and day by day variables, b=central vascular catheter follow-up, c=antimicrobial treatment follow-up); Req: M=mandatory, R=Required, O=Optional #=number of missing variables; %=# / 100 eligible records

Table 2: Admission Characteristics (a)

	patients										LOS p50 ^a					SAPSII p50 ^a					Death/DNR % ^a				
	# ^b					% ^b					agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75			
	agg	p25	p50	p75	%	agg	p25	p50	p75																
Age																									
≤ 40	32	7	4	7	13	8	5	6	7	32	18	23	30	3	0	0	7								
40-59	72	15	13	16	18	8	5	9	11	33	21	30	34	7	0	6	12								
60-69	105	22	20	23	27	8	5	6	9	35	33	34	46	19	17	18	21								
70-74	77	16	9	14	21	6	5	6	7	38	33	37	44	21	0	21	25								
75-79	51	11	7	12	17	6	5	6	9	43	42	43	43	20	0	13	32								
≥ 80	136	29	19	26	34	6	4	5	7	45	39	43	46	25	8	20	35								
unknown	0	0	0	0	0																				
Gender																									
female	175	37	33	40	41	6	4	5	7	38	36	37	40	18	4	18	22								
male	298	63	59	60	67	7	6	6	9	40	36	38	44	18	8	17	24								
unknown	0	0	0	0	0																				
SAPSII score																									
≤ 10	4	1	0	1	2	4	3	4	4	7	6	7	7	0	0	0	0								
10-19	38	8	3	10	17	5	4	5	6	13	13	15	17	3	0	0	5								
20-29	81	17	15	18	20	6	4	4	6	26	24	26	27	6	0	6	8								
30-39	109	23	20	21	26	6	4	6	7	34	34	34	35	12	0	12	15								
40-49	109	23	16	24	25	7	5	6	9	45	43	44	45	17	10	10	25								
50-59	64	14	10	14	17	7	5	7	18	55	53	55	56	28	22	29	29								
≥ 60	64	14	10	11	18	8	7	10	10	68	67	69	70	48	14	49	60								
unknown	4	1	0	0	2	5	5	5	5					0	0	0	0								

^a LOS=median length of stay for patients admitted within this category; SAPSII=median SAPSII score for patients admitted within this category

^b #=number of admissions within category; %=#/100 total admissions

Table 3: Admission Characteristics (b)

	# ^b		patients					LOS p50 ^a					SAPSII p50 ^a					Death/DNR % ^a											
			% ^b																										
	agg	p25	p50	p75		agg	p25	p50	p75		agg	p25	p50	p75		agg	p25	p50	p75		agg	p25	p50	p75					
Apache Score																													
< 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>= 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unknown	473	100	100	100	100	6	5	5	8	8	41	36	37	43	43	18	6	17	23	18	6	17	23	18	6	17	23		
Patient Origin																													
other service	253	53	38	46	66	7	6	7	8	8	38	34	36	43	43	19	4	18	24	19	4	18	24	19	4	18	24		
other ICU	8	2	1	2	2	8	5	8	14	14	34	18	47	70	70	25	0	0	40	25	0	0	40	25	0	0	40		
community	172	36	28	39	56	6	4	5	8	8	40	38	40	40	40	15	8	12	19	15	8	12	19	15	8	12	19		
nursing home	30	6	3	3	10	6	5	8	13	13	48	41	46	49	49	30	0	14	38	30	0	14	38	30	0	14	38		
unknown	10	2	0	2	4	5	4	5	5	5	30	27	33	39	39	20	0	11	22	20	0	11	22	20	0	11	22		
Type of Admission																													
medical	360	76	63	75	90	7	5	5	9	9	43	39	43	44	44	21	6	22	24	21	6	22	24	21	6	22	24		
scheduled surgical	76	16	4	9	30	6	4	6	6	6	27	24	29	30	30	8	6	13	17	8	6	13	17	8	6	13	17		
unscheduled surgical	29	6	3	7	14	14	5	6	19	19	40	27	40	42	42	10	0	14	17	10	0	14	17	10	0	14	17		
unknown	8	2	0	2	3	5	4	5	5	5	29	27	33	39	39	13	0	7	14	13	0	7	14	13	0	7	14		

^a LOS=median length of stay for patients admitted within this category; SAPSII=median SAPSII score for patients admitted within this category

^b #=# of admissions within category; %=#/100 total admissions

Table 4: Admission Characteristics (c)

	# ^b			patients						LOS p50 ^a						SAPSII p50 ^a						Death/DNR % ^a					
	% ^b			agg		p25		p50		p75		agg		p25		p50		p75		agg		p25		p50		p75	
	agg	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50	p25	p50
Trauma																											
no	426	90	88	90	91	6	4	5	8	40	34	37	43	19	7	18	23										
yes	44	9	8	10	11	7	6	11	12	41	39	41	43	11	0	6	20										
unknown	3	1	0	0	2	4	3	4	4	39	24	39	86	33	0	0	100										
Impaired Immunity																											
no	401	85	79	89	91	6	5	5	7	39	34	37	43	18	7	16	23										
yes	67	14	6	10	20	8	5	7	14	44	42	43	44	21	0	21	24										
unknown	5	1	0	1	3	6	4	6	9	40	26	38	48	20	0	0	50										
Antibiotic Treatment																											
no	273	58	41	52	68	5	4	5	7	39	27	37	43	18	0	16	23										
yes	192	41	30	46	58	7	6	7	11	42	41	41	41	19	11	19	23										
unknown	8	2	1	2	2	7	4	6	8	47	39	45	58	13	0	0	25										

^a LOS=median length of stay for patients admitted within this category; SAPSII=median SAPSII score for patients admitted within this category

^b #=# of admissions within category; %=#/100 total admissions

Table 5: Admission Characteristics (d)

	# ^b		patients						LOS p50 ^a						SAPSII p50 ^a						Death/DNR % ^a					
			% ^b			agg			agg			agg			agg			agg			agg					
	p25	p50	p75	p25	p50	p75	p25	p50	p75	p25	p50	p75	p25	p50	p75	p25	p50	p75	p25	p50	p75					
Acute Coronary Care																										
no	443	94	88	97	98	6	5	5	8	40	36	37	44	19	6	17	26	21	19	6	17	26				
yes	21	4	1	2	9	6	5	5	15	43	18	40	46	5	0	0	50	5	0	0	0	50				
unknown	9	2	1	2	3	6	4	7	22	40	39	45	48	11	0	0	17	11	0	0	0	17				
Prior Surgery site																										
no	334	71	60	69	82	7	5	5	9	43	39	42	44	21	7	23	24	21	7	7	23	24				
coronary	1	0	0	0	0	19	19	19	19	26	26	26	26	0	0	0	0	0	0	0	0	0				
other cardiac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
other thoracic	7	1	1	2	2	5	4	5	6	23	20	23	28	0	0	0	0	0	0	0	0	0				
other vascular	24	5	4	5	6	6	4	5	6	27	15	26	30	17	0	15	25	17	0	15	25	25				
abdominal	15	3	0	0	7	13	9	9	9	41	43	43	43	7	7	7	7	7	7	7	7	7				
neurosurgery	25	5	2	6	14	6	6	7	12	41	29	41	43	8	0	8	11	8	0	8	11	11				
other	67	14	6	11	23	6	4	5	7	33	25	32	40	12	0	8	33	12	0	8	33	33				
unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

^a LOS=median length of stay for patients admitted within this category; SAPSII=median SAPSII score for patients admitted within this category

^b #=# of admissions within category; %=#/100 total admissions

Table 6: Daily Invasive Device exposure indicators

invasive device	# ^a	rate ^a					
		agg ^a	p10	p25	p50	p75	p90
Intubation days	2432	336.3	242.5	255.5	273.5	308.2	434.1
patients with Intubation days	192	22.3	35.3	35.3	35.9	47.3	47.3
central vascular catheter days	5056	699.2	375.2	484.9	646.3	754.5	918.4
patients with central vascular catheter days	295	34.3	53.9	53.9	59.4	71.7	71.7
urinary catheter days	3780	791.5	711.0	711.0	742.5	854.6	854.6
patients with urinary catheter days	370	78.2	68.6	68.6	70.3	90.2	90.2
naso-oro intestinal tube days	1627	340.7	87.6	87.6	249.5	527.3	527.3
patients with naso-oro intestinal tube days	197	41.6	27.0	27.0	34.4	58.5	58.5
naso-oro intestinal tube feeding days	1448	303.2	62.4	62.4	237.3	471.7	471.7
patients with naso-oro intestinal tube feeding days	136	28.8	3.1	3.1	27.3	38.2	38.2
parenteral feeding days	760	159.1	24.1	24.1	47.9	259.5	259.5
patients with parenteral feeding days	70	14.8	3.1	3.1	4.4	28.8	28.8
invasive mechanical ventilation days	1623	339.8	255.5	255.5	336.8	358.1	358.1
patients with invasive mechanical ventilation days	186	39.3	34.8	34.8	35.9	44.9	44.9
non-invasive mechanical ventilation days	680	142.4	82.5	82.5	115.0	200.8	200.8
patients with non-invasive mechanical ventilation days	142	30.0	14.1	14.1	24.9	40.2	40.2
tracheotomy intubation days	354	74.1	10.1	10.1	54.3	99.8	99.8
patients with tracheotomy intubation days	15	3.2	1.6	1.6	2.5	4.4	4.4
re-intubation days	26	5.4	3.5	3.5	4.0	8.8	8.8
patients with re-intubation days	22	4.7	3.1	3.1	3.9	5.9	5.9

^a #=number of days or patients with device exposure; rate=#/1000 patientdays (days); rate=#/100 admissions (patients)

Table 7: Missing SOFA Scores

variable	L1 ^a	L2 ^a	Ls ^a	Req ^a	# ^a	% ^a	p10	p25	p50	p75	p90
sofa score, cns	V		a	R	3900	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, respiration	V		a	R	3942	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, coagulation	V		a	R	3929	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, cardio	V		a	R	3898	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, kidney	V		a	R	3900	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, liver	V		a	R	4113	0.00	0.00	0.00	0.00	100.00	100.00
total sofa variables	V		a	O	23682	65.28	3.21	3.21	100.00	100.00	100.00

^a |1= level 1 variable (denominator-based surveillance) ; |2= level 2 variable (patient-based surveillance) ; L2s= level 2 suboption (0=basic level 2 variables a=extra patient admission and day by day variables, b=central vascular catheter follow-up, c=antimicrobial treatment follow-up); Req: M=mandatory, R=Required, O=Optional #=number of missing variables; %=# / 100 eligible records

Table 8: Daily SOFA score indicators

	# ^a	agg ^b	p10 ^b	p25 ^b	p50 ^b	p75 ^b	p90 ^b
CNS score							
0	625	71.3	71.3	71.3	71.3	71.3	71.3
1	132	15.1	15.1	15.1	15.1	15.1	15.1
2	46	5.3	5.3	5.3	5.3	5.3	5.3
3	46	5.3	5.3	5.3	5.3	5.3	5.3
4	27	3.1	3.1	3.1	3.1	3.1	3.1
any	876	18.3	51.1	51.1	51.1	51.1	51.1
scores		0.5	0.5	0.5	0.5	0.5	0.5
Respiratory score							
0	41	4.9	4.9	4.9	4.9	4.9	4.9
1	193	23.1	23.1	23.1	23.1	23.1	23.1
2	379	45.4	45.4	45.4	45.4	45.4	45.4
3	186	22.3	22.3	22.3	22.3	22.3	22.3
4	35	4.2	4.2	4.2	4.2	4.2	4.2
any	834	17.5	48.7	48.7	48.7	48.7	48.7
scores		1.8	1.8	1.8	1.8	1.8	1.8
Coagulation score							
0	680	80.3	80.3	80.3	80.3	80.3	80.3
1	108	12.8	12.8	12.8	12.8	12.8	12.8
2	41	4.8	4.8	4.8	4.8	4.8	4.8
3	9	1.1	1.1	1.1	1.1	1.1	1.1
4	9	1.1	1.1	1.1	1.1	1.1	1.1
any	847	17.7	49.4	49.4	49.4	49.4	49.4
scores		0.3	0.3	0.3	0.3	0.3	0.3
Cardiovascular score							
0	508	57.9	57.9	57.9	57.9	57.9	57.9
1	133	15.1	15.1	15.1	15.1	15.1	15.1
2	14	1.6	1.6	1.6	1.6	1.6	1.6
3	187	21.3	21.3	21.3	21.3	21.3	21.3
4	36	4.1	4.1	4.1	4.1	4.1	4.1
any	878	18.4	51.3	51.3	51.3	51.3	51.3
scores		1.0	1.0	1.0	1.0	1.0	1.0

^a #=number of patientdays; 0/4/any=# of days with SOFA score=0/4/any

^b 0/4=% of days with SOFA score=0/4 among days with any SOFA score; any=% of days with any SOFA score among total patientdays; scores=median score for SOFA component; agg= value obtained when pooling all participating units; p=percentiles for the distribution of participating units;

Table 9: Daily SOFA score indicators

	# ^a	agg ^b	p10 ^b	p25 ^b	p50 ^b	p75 ^b	p90 ^b
Renal score							
0	450	51.4	51.4	51.4	51.4	51.4	51.4
1	200	22.8	22.8	22.8	22.8	22.8	22.8
2	94	10.7	10.7	10.7	10.7	10.7	10.7
3	40	4.6	4.6	4.6	4.6	4.6	4.6
4	92	10.5	10.5	10.5	10.5	10.5	10.5
any	876	18.3	51.1	51.1	51.1	51.1	51.1
scores		1.0	1.0	1.0	1.0	1.0	1.0
Liver score							
0	548	82.7	82.7	82.7	82.7	82.7	82.7
1	61	9.2	9.2	9.2	9.2	9.2	9.2
2	30	4.5	4.5	4.5	4.5	4.5	4.5
3	10	1.5	1.5	1.5	1.5	1.5	1.5
4	14	2.1	2.1	2.1	2.1	2.1	2.1
any	663	13.9	38.7	38.7	38.7	38.7	38.7
scores		0.3	0.3	0.3	0.3	0.3	0.3
Total score							
0/1	36	5.6	5.6	5.6	5.6	5.6	5.6
2	87	13.6	13.6	13.6	13.6	13.6	13.6
3/4	192	30.0	30.0	30.0	30.0	30.0	30.0
5/6	130	20.3	20.3	20.3	20.3	20.3	20.3
7/max	194	30.4	30.4	30.4	30.4	30.4	30.4
any	639	13.4	37.3	37.3	37.3	37.3	37.3
scores		5.3	5.2	5.2	5.2	5.2	5.2

^a #=number of patientdays; 0/4/any=# of days with SOFA score=0/4/any

^b 0/4=% of days with SOFA score=0/4 among days with any SOFA score; any=% of days with any SOFA score among total patientdays; scores=median score for SOFA component; agg= value obtained when pooling all participating units; p=percentiles for the distribution of participating units;

Table 10: Antibiotic Use Population (aggregated)

	Patients, # ^a									Patientdays, # ^a								
	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90
patients with AB use	337	157	157	169	180	180	3913	1494	1494	1494	1957	2419	3913	1494	1494	1957	2419	2419
units with AB use	409	204	204	205	205	205	4279	1713	1713	1713	2140	2566	4279	1713	1713	2140	2566	2566

^a Patients, # = number of patients; Patientdays, # = number of patientdays; agg = aggregated over all participating units; p10-p90 = percentile of distribution of participating units

Table 11: Antibiotic Use Distribution (aggregated)

	# ^a					% ^a					incd ^a								
	agg	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90
Total AB days	4384							1025	936	936	1010	1083	1083						
AB days with SDD use	0	0	0	0	0	0	0	0	0	0	0	0	0						0
AB days with Prophylactic use	70	2	1	1	2	3	3	16	6	6	19	32	32						
AB days with Empirical use	2878	66	47	47	62	76	76	673	440	440	634	828	828						
AB days with Microorganism known	241	5	0	0	8	15	15	56	0	0	70	141	141						
AB days with Antibigram known	1195	27	23	23	29	35	35	279	249	249	287	324	324						

^a #=number of Antibiotic days with particular use; %= # AB days/100 total AB days; incd=# AB days/1000 patientdays of units with AB use; agg=aggregated over all participating units; p10-p90=percentile of distribution of participating units

Table 12: Antibiotic Use (exhaustive) (a)

Antibiotic		pats #	patdays #	Antibiotic days, # ^a					
				T	S	P	E	M	A
all				4384	0	70	2878	241	1195
J01C	PENICILLINS	250	3077	1724	0	8	1348	60	308
J01CA	Penicillins extended spectrum	46	791	287	0	0	196	0	91
J01CA01	Ampicillin	1	44	7	0	0	0	0	7
J01CA04	Amoxicillin	11	178	39	0	0	17	0	22
J01CA12	Piperacillin	30	521	207	0	0	176	0	31
J01CA17	Temocillin	5	92	34	0	0	3	0	31
J01CF	Beta-lactamase resist. penicillins	19	328	111	0	0	29	12	70
J01CF04	Oxacillin	4	96	37	0	0	25	0	12
J01CF05	Flucloxacillin	15	232	74	0	0	4	12	58
J01CG	Beta-lactamase inhibitors	18	178	65	0	0	57	4	4
J01CG02	Tazobactam	18	178	65	0	0	57	4	4
J01CR	Beta-lactam + Beta-lactamase inhibitor	211	2555	1261	0	8	1066	44	143
J01CR01	Ampicillin + sulbactam	1	7	7	0	0	7	0	0
J01CR02	Amoxicillin + clavulanic acid	147	1747	757	0	7	670	10	70
J01CR05	Piperacilline + Tazobactam	90	1257	497	0	1	389	34	73
J01D	OTH. BETA-LACTAM AB,INCL.CEPHALOSP.	163	2485	1144	0	46	675	39	384
J01DA	Cephalosporins	110	1550	516	0	38	221	38	219
J01DA04	Cefazolin	20	227	23	0	20	3	0	0
J01DA06	Cefuroxime	42	442	165	0	11	83	12	59
J01DA10	Cefotaxime	4	36	16	0	0	16	0	0
J01DA11	Ceftazidime	41	904	243	0	3	74	26	140
J01DA13	Ceftriaxone	14	183	66	0	4	45	0	17
J01DA24	Cefepime	1	21	3	0	0	0	0	3
J01DH	Carbapenems	68	1400	628	0	8	454	1	165
J01DH02	Meropenem	68	1400	628	0	8	454	1	165

^a T=total use; S=SDD use; P=Profylactic use; E=Empirical use; M=Microorganism known; A=Antibogram known

Table 13: Antibiotic Use (exhaustive) (b)

Antibiotic	pats #	patdays #	Antibiotic days, # ^a						
			T	S	P	E	M	A	
J01E	SULFONAMIDES AND COMBINATIONS	18	541	158	0	5	98	20	35
J01EA	Trimethoprim	17	475	146	0	5	98	20	23
J01EA01	Trimethoprim	16	455	133	0	5	98	7	23
J01EE	Sulfonamides + trimethoprim + deriv	1	66	12	0	0	0	0	12
J01EE01	Sulfamethoxazole+T.(cotrimoxaz.)	1	66	12	0	0	0	0	12
J01F	MACROLIDES AND LINCOSAMIDES	47	577	228	0	2	199	13	14
J01FA	Macrolides + Synergistins	37	406	175	0	0	165	8	2
J01FA02	Spiramycin	1	9	6	0	0	6	0	0
J01FA09	Clarithromycin	34	385	164	0	0	156	8	0
J01FA10	Azithromycin	2	12	5	0	0	3	0	2
J01FF	Lincosamides	10	171	53	0	2	34	5	12
J01FF01	Clindamycin	10	171	53	0	2	34	5	12
J01G	AMINOGLYCOSIDE ANTIBACTERIALS	59	1175	168	0	0	91	2	75
J01GB	Aminoglycosides other than strep	59	1175	168	0	0	91	2	75
J01GB03	Gentamicin	1	6	6	0	0	0	0	6
J01GB06	Amikacin	58	1169	162	0	0	91	2	69
J01M	QUINOLONE ANTIBACTERIALS	30	552	181	0	0	100	0	81
J01MA	Fluoroquinolones	30	552	181	0	0	100	0	81
J01MA02	Ciprofloxacin	19	457	127	0	0	70	0	57
J01MA12	Levofloxacin	5	47	26	0	0	4	0	22
J01MA14	Moxifloxacin	6	48	28	0	0	26	0	2

^a T=total use; S=SDD use; P=Profylactic use; E=Empirical use; M=Microorganism known; A=Antibiogram known

Table 14: Antibiotic Use (exhaustive) (c)

Antibiotic	pats #	patdays #	Antibiotic days, # ^a						
			T	S	P	E	M	A	
J01X	OTHER ANTIBACTERIALS	60	1429	539	0	2	278	31	228
J01XA	Glycopeptide antibacterials	47	1157	376	0	0	214	31	131
J01XA01	Vancomycin	47	1157	376	0	0	214	31	131
J01XD	Imidazole derivatives	2	18	4	0	2	2	0	0
J01XD01	Metronidazole	2	18	4	0	2	2	0	0
J01XX08	Linezolid	18	553	159	0	0	62	0	97
J02A	ANTIMYCOTICS FOR SYSTEMIC USE	7	181	66	0	0	6	32	28
J02AA	Antifungal antibiotics	1	13	2	0	0	0	2	0
J02AC	Triazole derivative antimycotics	6	143	36	0	0	6	2	28
J02AC01	Fluconazole	6	143	36	0	0	6	2	28
J04A	TREATMENT OF TUBERCULOSIS	3	84	66	0	0	24	24	18
J04AB	Antimycobacterial antibiotics	3	84	35	0	0	9	8	18
J04AB02	Rifampicin	3	84	35	0	0	9	8	18
J04AC	Hydrazides	1	38	8	0	0	0	8	0
J04AC01	Isoniazid (INH)	1	38	8	0	0	0	8	0
J04AK	Other tuberculostatics	2	52	23	0	0	15	8	0
J04AK01	Pyrazinamide	1	14	9	0	0	9	0	0
J04AK02	Ethambutol	2	52	14	0	0	6	8	0

^a T=total use; S=SDD use; P=Profylactic use; E=Empirical use; M=Microorganism known; A=Antibiogram known

Table 15: Pneumonia and Admission Exposure (a)

	pats ^a				patdays ^a				NP ^a										IAP ^a							
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b			
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg		
Age																										
≤ 40	32	6.8	301	6.3	3	9.4	6.7	6.7	11.1	12.5	12.5	10.0	7.2	7.2	9.5	17.5	17.5	17.5	3	25.0	15.4	15.4	15.4	27.8	52.6	52.6
40-59	72	15.2	933	19.5	5	6.9	5.6	7.7	7.7	10.0	10.0	5.4	3.8	3.8	6.6	9.1	9.1	9.1	3	9.3	4.7	4.7	4.7	12.3	35.7	35.7
60-69	105	22.2	1185	24.8	5	4.8	0.0	0.0	4.3	7.3	7.3	4.2	0.0	0.0	2.8	8.2	8.2	8.2	3	6.3	0.0	0.0	0.0	3.4	13.3	13.3
70-74	77	16.3	667	14.0	6	7.8	0.0	0.0	0.0	14.0	14.0	9.0	0.0	0.0	0.0	17.3	17.3	17.3	2	9.9	0.0	0.0	0.0	0.0	25.6	25.6
75-79	51	10.8	464	9.7	3	5.9	0.0	0.0	6.7	8.0	8.0	6.5	0.0	0.0	4.7	11.6	11.6	11.6	2	11.8	0.0	0.0	0.0	0.0	50.0	50.0
≥ 80	136	28.8	1226	25.7	4	2.9	1.9	2.9	2.9	8.3	8.3	3.3	2.6	2.6	2.6	13.5	13.5	13.5	1	2.1	0.0	0.0	0.0	0.0	2.9	2.9
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gender																										
female	175	37.0	1525	31.9	3	1.7	0.0	0.0	0.0	3.7	3.7	2.0	0.0	0.0	0.0	5.1	5.1	5.1	3	5.4	0.0	0.0	0.0	0.0	15.7	15.7
male	298	63.0	3251	68.1	23	7.7	5.8	5.8	7.9	9.8	9.8	7.1	4.4	4.4	9.7	10.7	10.7	10.7	11	9.1	5.0	5.0	5.0	14.8	24.7	24.7
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAPSII score																										
≤ 10	4	0.8	16	0.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-19	38	8.0	256	5.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-29	81	17.1	693	14.5	4	4.9	0.0	0.0	7.7	9.7	9.7	5.8	0.0	0.0	10.9	11.3	11.3	11.3	1	7.9	0.0	0.0	0.0	0.0	21.7	21.7
30-39	109	23.0	1010	21.1	4	3.7	0.0	0.0	3.8	4.7	4.7	4.0	0.0	0.0	3.5	5.3	5.3	5.3	2	6.1	0.0	0.0	0.0	4.2	11.5	11.5
40-49	109	23.0	1209	25.3	8	7.3	4.2	4.2	7.8	20.0	20.0	6.6	5.3	5.3	5.5	19.0	19.0	19.0	5	10.6	6.2	6.2	6.2	9.3	46.5	46.5
50-59	64	13.5	893	18.7	5	7.8	0.0	0.0	8.8	9.5	9.5	5.6	0.0	0.0	3.8	10.5	10.5	10.5	3	7.5	0.0	0.0	0.0	3.7	22.0	22.0
≥ 60	64	13.5	669	14.0	5	7.8	0.0	0.0	0.0	13.5	13.5	7.5	0.0	0.0	0.0	14.6	14.6	14.6	3	7.7	0.0	0.0	0.0	0.0	16.7	16.7
unknown	4	0.8	30	0.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NP=Nosocomial P pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 16: Pneumonia and Admission Exposure (b)

	pats ^a						patdays ^a						NP ^a						IAP ^a						
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	
APACHE score																									
< 10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
10-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
30-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
40-49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
50-59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
> 60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
unknown	473	100.0	4776	100.0	26	5.5	3.9	3.9	3.9	4.7	4.7	7.4	7.4	7.4	5.4	3.1	3.1	6.0	8.8	8.8	14	7.9	3.6	15.2	
Patient Origin																									
other service	253	53.5	2863	59.9	13	5.1	3.7	3.7	3.7	4.2	4.2	7.5	7.5	7.5	4.5	2.7	2.7	6.1	8.2	8.2	5	4.6	0.0	2.5	
other ICU	8	1.7	87	1.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	
community	172	36.4	1503	31.5	10	5.8	3.5	3.5	3.5	5.6	5.6	7.6	7.6	7.6	6.7	3.3	3.3	6.7	10.0	10.0	9	17.1	7.8	23.3	
nursing home	30	6.3	243	5.1	2	6.7	0.0	0.0	0.0	4.8	4.8	14.3	14.3	14.3	8.2	0.0	0.0	6.3	16.9	16.9	0	0.0	0.0	0.0	
unknown	10	2.1	80	1.7	1	10.0	0.0	0.0	0.0	5.6	5.6	11.1	11.1	11.1	12.5	0.0	0.0	6.6	13.2	13.2	0	0.0	0.0	0.0	
Type of Admission																									
medical	360	76.1	3444	72.1	17	4.7	0.0	0.0	0.0	3.1	3.1	7.1	7.1	7.1	4.9	0.0	0.0	2.6	8.4	8.4	10	7.8	0.0	2.9	
scheduled surgical	76	16.1	719	15.1	2	2.6	0.0	0.0	0.0	12.5	12.5	16.7	16.7	16.7	2.8	0.0	0.0	13.2	23.8	23.8	0	0.0	0.0	0.0	
unscheduled surgical	29	6.1	577	12.1	6	20.7	0.0	0.0	0.0	22.2	22.2	28.6	28.6	28.6	10.4	0.0	0.0	9.6	20.4	20.4	4	12.2	0.0	7.1	
unknown	8	1.7	36	0.8	1	12.5	0.0	0.0	0.0	7.1	7.1	14.3	14.3	14.3	27.8	0.0	0.0	15.6	31.3	31.3	0	0.0	0.0	0.0	

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 17: Pneumonia and Admission Exposure (c)

	pats ^a		NP ^a										IAP ^a										
	# ^b	% ^b	patdays ^a		# ^b	% ^b	incd ^b					# ^b	incd ^b										
			agg	agg			p10	p25	p50	p75	p90		agg	p10	p25	p50	p75	p90					
Trauma																							
no	426	90.1	4226	88.5	22	5.2	1.8	1.8	3.7	7.7	7.7	2.6	2.6	3.0	9.2	9.2	10	6.3	0.0	0.0	2.9	14.7	14.7
yes	44	9.3	539	11.3	4	9.1	5.0	5.0	5.9	28.6	28.6	7.4	4.1	5.5	17.9	17.9	4	24.0	11.8	11.8	20.0	62.5	62.5
unknown	3	0.6	11	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Impaired Immunity																							
no	401	84.8	3708	77.6	21	5.2	1.9	1.9	5.2	8.3	8.3	1.8	1.8	6.5	9.8	9.8	12	10.1	3.3	3.3	16.4	17.2	17.2
yes	67	14.2	1038	21.7	5	7.5	0.0	0.0	0.0	11.9	11.9	4.8	0.0	0.0	5.9	5.9	2	3.6	0.0	0.0	0.0	4.0	4.0
unknown	5	1.1	30	0.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Antibiotic Treatment																							
no	273	57.7	2441	51.1	10	3.7	2.1	2.1	4.7	7.7	7.7	4.1	2.1	6.1	12.3	12.3	5	6.9	4.1	4.1	10.1	33.3	33.3
yes	192	40.6	2271	47.6	16	8.3	2.7	2.7	8.1	10.8	10.8	7.0	3.0	4.6	11.6	11.6	9	8.8	3.3	3.3	10.4	19.2	19.2
unknown	8	1.7	64	1.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incd = # NP / 1000 patientdays; IAP incd = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 18: Pneumonia and Admission Exposure (d)

	pats ^a						patdays ^a						NP ^a						IAP ^a					
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		incd ^b		# ^b		incd ^b		# ^b		incd ^b			
	agg	agg	agg	agg	agg	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
Acute Coronary Care																								
no	443	93.7	4524	94.7	25	5.6	3.5	3.5	4.8	8.3	8.3	8.3	8.3	8.3	9.7	9.7	9.7	13	7.8	2.8	2.8	15.9	16.4	16.4
yes	21	4.4	146	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
unknown	9	1.9	106	2.2	1	11.1	0.0	0.0	0.0	50.0	50.0	50.0	50.0	9.4	22.7	22.7	1	19.6	0.0	0.0	0.0	31.3	31.3	
Prior Surgery site																								
no	334	70.6	3200	67.0	16	4.8	0.0	0.0	3.3	7.2	7.2	7.2	7.2	5.0	8.5	8.5	10	8.2	0.0	0.0	3.0	16.3	16.3	
coronary	1	0.2	19	0.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other cardiac	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other thoracic	7	1.5	37	0.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other vascular	24	5.1	260	5.4	1	4.2	0.0	0.0	0.0	33.3	33.3	33.3	33.3	3.8	71.4	71.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
abdominal	15	3.2	279	5.8	2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	7.2	7.2	7.2	2	14.4	14.4	14.4	14.4	14.4	14.4	14.4
neurosurgery	25	5.3	256	5.4	2	8.0	0.0	0.0	0.0	22.2	22.2	22.2	22.2	7.8	15.2	15.2	2	25.6	0.0	0.0	0.0	42.6	42.6	
other	67	14.2	725	15.2	5	7.5	0.0	0.0	4.2	25.0	25.0	25.0	25.0	6.9	27.0	27.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	

^a pats=patients patdays=patient days NP=Nosocomial P pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incd = # NP / 1000 patientdays; IAP incd = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate; intubation days / 1000 patientdays

Table 19: Bloodstream Infection and Admission Exposure (a)

	pats ^a			patdays ^a			NB ^a						CAB ^a												
	# ^b		% ^b	# ^b		% ^b	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
	agg	agg		agg	agg		agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
Age																									
≤ 40	32	6.8	301	6.3	1	3.1	0.0	0.0	0.0	6.7	6.7	6.7	3.3	0.0	0.0	0.0	7.2	7.2	1	5.0	0.0	0.0	0.0	10.3	10.3
40-59	72	15.2	933	19.5	2	2.8	0.0	0.0	0.0	7.7	7.7	7.7	2.1	0.0	0.0	0.0	6.6	6.6	2	3.0	0.0	0.0	0.0	11.2	11.2
60-69	105	22.2	1185	24.8	5	4.8	0.0	0.0	2.1	9.8	9.8	4.2	4.2	0.0	0.0	1.4	10.9	10.9	4	4.9	0.0	0.0	0.0	16.0	16.0
70-74	77	16.3	667	14.0	2	2.6	0.0	0.0	0.0	4.7	4.7	3.0	3.0	0.0	0.0	0.0	5.8	5.8	2	4.1	0.0	0.0	0.0	8.7	8.7
75-79	51	10.8	464	9.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 80	136	28.8	1226	25.7	2	1.5	0.0	0.0	1.4	1.9	1.9	1.6	1.6	0.0	0.0	1.3	2.6	2.6	1	1.2	0.0	0.0	0.0	4.4	4.4
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Gender																									
female	175	37.0	1525	31.9	5	2.9	0.0	0.0	0.0	6.1	6.1	3.3	3.3	0.0	0.0	0.0	8.5	8.5	5	4.9	0.0	0.0	0.0	14.7	14.7
male	298	63.0	3251	68.1	7	2.3	0.0	0.0	1.4	4.1	4.1	2.2	2.2	0.0	0.0	1.1	4.4	4.4	5	2.2	0.0	0.0	0.0	6.7	6.7
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
SAPSII score																									
≤ 10	4	0.8	16	0.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
10-19	38	8.0	256	5.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
20-29	81	17.1	693	14.5	1	1.2	0.0	0.0	0.0	3.2	3.2	1.4	1.4	0.0	0.0	0.0	3.8	3.8	1	2.6	0.0	0.0	0.0	7.8	7.8
30-39	109	23.0	1010	21.1	3	2.8	0.0	0.0	1.9	4.7	4.7	3.0	3.0	0.0	0.0	1.7	5.3	5.3	2	3.0	0.0	0.0	0.0	10.5	10.5
40-49	109	23.0	1209	25.3	3	2.8	0.0	0.0	2.0	4.2	4.2	2.5	2.5	0.0	0.0	1.4	5.3	5.3	2	2.4	0.0	0.0	0.0	9.5	9.5
50-59	64	13.5	893	18.7	2	3.1	0.0	0.0	0.0	5.9	5.9	2.2	2.2	0.0	0.0	0.0	7.0	7.0	2	3.0	0.0	0.0	0.0	9.3	9.3
≥ 60	64	13.5	669	14.0	3	4.7	0.0	0.0	0.0	8.1	8.1	4.5	4.5	0.0	0.0	0.0	8.7	8.7	3	4.8	0.0	0.0	0.0	9.6	9.6
unknown	4	0.8	30	0.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days
(before 1st NB);

Table 20: Bloodstream Infection and Admission Exposure (b)

	pats ^a						patdays ^a						NB ^a						CAB ^a						
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	
APACHE score																									
< 10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
10-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
30-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
40-49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
50-59	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
> 60	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
unknown	473	100.0	4776	100.0	12	2.5	0.0	0.0	0.0	1.0	4.9	4.9	2.5	0.0	0.8	5.8	5.8	10	3.0	0.0	0.0	0.0	9.2	9.2	
Patient Origin																									
other service	253	53.5	2863	59.9	7	2.8	0.0	0.0	0.0	1.5	5.4	5.4	2.4	0.0	1.1	5.9	5.9	5	2.4	0.0	0.0	0.0	8.7	8.7	
other ICU	8	1.7	87	1.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
community	172	36.4	1503	31.5	4	2.3	0.0	0.0	0.0	0.0	5.1	5.1	2.7	0.0	0.0	6.6	6.6	4	4.0	0.0	0.0	0.0	11.7	11.7	
nursing home	30	6.3	243	5.1	1	3.3	0.0	0.0	0.0	0.0	4.8	4.8	4.1	0.0	0.0	6.3	6.3	1	7.0	0.0	0.0	0.0	10.1	10.1	
unknown	10	2.1	80	1.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
Type of Admission																									
medical	360	76.1	3444	72.1	10	2.8	0.0	0.0	0.0	0.0	5.5	5.5	2.9	0.0	0.0	6.5	6.5	10	4.2	0.0	0.0	0.0	10.3	10.3	
scheduled surgical	76	16.1	719	15.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
unscheduled surgical	29	6.1	577	12.1	2	6.9	0.0	0.0	0.0	0.0	14.3	14.3	3.5	0.0	0.0	4.8	4.8	0	0.0	0.0	0.0	0.0	0.0	0.0	
unknown	8	1.7	36	0.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 21: Bloodstream Infection and Admission Exposure (c)

	pats ^a				patdays ^a				NB ^a										CAB ^a						
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	
Trauma																									
no	426	90.1	4226	88.5	11	2.6	0.0	0.0	1.1	4.9	4.9	0.0	0.0	0.0	0.9	5.9	5.9	9	3.0	0.0	0.0	0.0	0.0	9.3	9.3
yes	44	9.3	539	11.3	1	2.3	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	5.5	5.5	1	2.8	0.0	0.0	0.0	0.0	8.7	8.7
unknown	3	0.6	11	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Impaired Immunity																									
no	401	84.8	3708	77.6	8	2.0	0.0	0.0	0.0	4.4	4.4	0.0	0.0	0.0	0.0	5.2	5.2	8	3.2	0.0	0.0	0.0	0.0	8.2	8.2
yes	67	14.2	1038	21.7	4	6.0	0.0	0.0	4.8	9.5	9.5	0.0	0.0	0.0	2.4	12.0	12.0	2	2.4	0.0	0.0	0.0	0.0	19.4	19.4
unknown	5	1.1	30	0.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Antibiotic Treatment																									
no	273	57.7	2441	51.1	4	1.5	0.0	0.0	0.0	3.7	3.7	0.0	0.0	0.0	0.0	4.9	4.9	4	2.6	0.0	0.0	0.0	0.0	9.1	9.1
yes	192	40.6	2271	47.6	8	4.2	0.0	0.0	3.2	6.5	6.5	0.0	0.0	0.0	1.9	7.0	7.0	6	3.3	0.0	0.0	0.0	0.0	9.7	9.7
unknown	8	1.7	64	1.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 22: Bloodstream Infection and Admission Exposure (d)

	pats ^a			patdays ^a			NB ^a									CAB ^a																
	# ^b		% ^b	# ^b		% ^b	% ^b			incd ^b			# ^b			incd ^b			# ^b			incd ^b										
	agg	agg	agg	agg	agg	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90			
Acute Coronary Care																																
no	443	93.7	4524	94.7	11	2.5	0.0	1.0	5.0	5.0	2.4	0.0	0.0	0.8	5.8	5.8	9	2.8	0.0	0.0	0.0	0.0	9.0	9.0	2.8	0.0	0.0	0.0	0.0	0.0	9.0	9.0
yes	21	4.4	146	3.1	1	4.8	0.0	0.0	5.6	5.6	6.8	0.0	0.0	0.0	9.0	9.0	1	12.7	0.0	0.0	0.0	10.0	20.0	20.0	12.7	0.0	0.0	0.0	10.0	20.0	20.0	
unknown	9	1.9	106	2.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Prior Surgery site																																
no	334	70.6	3200	67.0	9	2.7	0.0	0.0	5.4	5.4	2.8	0.0	0.0	0.0	6.3	6.3	9	4.1	0.0	0.0	0.0	10.0	10.0	4.1	0.0	0.0	0.0	0.0	0.0	10.0	10.0	
coronary	1	0.2	19	0.4	1	100.0	100.0	100.0	100.0	100.0	52.6	52.6	52.6	52.6	52.6	52.6	1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
other cardiac	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
other thoracic	7	1.5	37	0.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
other vascular	24	5.1	260	5.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
abdominal	15	3.2	279	5.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
neurosurgery	25	5.3	256	5.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
other	67	14.2	725	15.2	2	3.0	0.0	0.0	4.2	4.2	2.8	0.0	0.0	0.0	3.4	3.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
unknown	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB #=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 23: Pneumonia and Invasive Device Exposure (a)

	pats ^a				patdays ^a				NP ^a																																			
	# ^b		% ^b		# ^b		% ^b		incd ^b					incd ^b																														
	agg	agg	agg	agg	agg	agg	agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90																								
Intubation																																												
0	293	61.9	2161	45.2	4	1.4	0.0	0.0	2.2	2.4	2.4	2.4	2.4	1.9	0.0	0.0	3.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
1	74	15.6	588	12.3	4	5.4	3.3	3.3	6.3	8.3	8.3	8.3	8.3	6.8	3.5	3.5	9.6	10.4	10.4	10.4	2	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	
2/3	44	9.3	614	12.9	8	18.2	9.5	9.5	16.7	29.4	29.4	29.4	29.4	13.0	6.6	6.6	16.4	19.9	19.9	19.9	6	19.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	25.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3		
4/6	37	7.8	668	14.0	8	21.6	0.0	0.0	15.0	41.7	41.7	41.7	41.7	12.0	0.0	0.0	8.6	23.1	23.1	23.1	6	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3			
>=7	25	5.3	745	15.6	2	8.0	0.0	0.0	5.0	10.0	10.0	10.0	10.0	2.7	0.0	0.0	1.6	3.2	3.2	3.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Central Vascular Catheter																																												
0	196	41.4	1367	28.6	4	2.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	2.9	0.0	0.0	0.0	5.7	5.7	5.7	1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	34	7.2	256	5.4	5	14.7	9.1	9.1	12.5	28.6	28.6	28.6	28.6	19.5	8.4	8.4	24.4	36.4	36.4	36.4	2	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
2/3	128	27.1	893	18.7	6	4.7	3.4	3.4	5.6	5.8	5.8	5.8	5.8	6.7	5.0	5.0	8.0	8.7	8.7	8.7	5	19.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
4/6	49	10.4	640	13.4	6	12.2	0.0	0.0	8.0	25.0	25.0	25.0	25.0	9.4	0.0	0.0	6.3	17.2	17.2	17.2	5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1			
>=7	66	14.0	1620	33.9	5	7.6	0.0	0.0	6.5	13.3	13.3	13.3	13.3	3.1	0.0	0.0	2.5	6.1	6.1	6.1	1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Urinary Catheter																																												
0	120	25.4	1044	21.9	2	1.7	0.0	0.0	1.4	3.6	3.6	3.6	3.6	1.9	0.0	0.0	1.9	2.3	2.3	2.3	1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	36	7.6	200	4.2	5	13.9	13.0	13.0	14.3	16.7	16.7	16.7	16.7	25.0	20.4	20.4	21.7	28.6	28.6	28.6	1	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2/3	185	39.1	1175	24.6	8	4.3	2.3	2.3	5.3	8.7	8.7	8.7	8.7	6.8	3.8	3.8	7.8	14.3	14.3	14.3	6	21.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	23.8	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6		
4/6	68	14.4	837	17.5	6	8.8	0.0	0.0	2.5	26.3	26.3	26.3	26.3	7.2	0.0	0.0	2.2	18.5	18.5	18.5	4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0			
>=7	64	13.5	1520	31.8	5	7.8	0.0	0.0	6.8	14.3	14.3	14.3	14.3	3.3	0.0	0.0	2.8	6.5	6.5	6.5	2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 24: Pneumonia and Invasive Device Exposure (b)

	pats ^a		patdays ^a		NP ^a										IAP ^a									
	# ^b	% ^b	# ^b	% ^b	# ^b	% ^b	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
																								incd ^b
Naso Oro Intestinal Tube without feeding																								
0	286	60.5	2252	47.2	7	2.4	0.0	0.0	0.0	4.6	4.6	3.1	0.0	0.0	0.0	6.2	6.2	4	8.2	0.0	0.0	0.0	13.4	13.4
1	76	16.1	675	14.1	11	14.5	3.8	3.8	18.6	28.6	28.6	16.3	6.1	6.1	17.7	33.9	33.9	5	18.5	0.0	0.0	19.2	47.6	47.6
2/3	59	12.5	595	12.5	3	5.1	0.0	0.0	4.9	8.3	8.3	5.0	0.0	0.0	5.1	7.9	7.9	2	10.2	0.0	0.0	7.7	20.0	20.0
4/6	19	4.0	321	6.7	2	10.5	0.0	0.0	0.0	12.5	12.5	6.2	0.0	0.0	0.0	7.6	7.6	2	9.8	0.0	0.0	0.0	10.4	10.4
>=7	33	7.0	933	19.5	3	9.1	0.0	0.0	0.0	9.7	9.7	3.2	0.0	0.0	0.0	3.3	3.3	1	1.6	0.0	0.0	0.0	1.7	1.7
Naso Oro Intestinal Tube with feeding																								
0	352	74.4	2868	60.1	8	2.3	1.5	1.5	1.9	4.8	4.8	2.8	1.9	1.9	2.5	6.6	6.6	4	5.5	0.0	0.0	4.1	16.9	16.9
1	30	6.3	320	6.7	3	10.0	0.0	0.0	7.1	14.3	14.3	9.4	0.0	0.0	6.7	13.5	13.5	2	18.3	0.0	0.0	19.2	38.5	38.5
2/3	41	8.7	435	9.1	4	9.8	5.3	5.3	9.4	13.6	13.6	9.2	3.6	3.6	11.2	18.9	18.9	3	12.3	0.0	0.0	19.0	38.0	38.0
4/6	28	5.9	519	10.9	8	28.6	20.0	20.0	26.7	33.3	33.3	15.4	8.8	8.8	14.7	20.5	20.5	4	11.9	6.0	6.0	12.0	18.0	18.0
>=7	22	4.7	634	13.3	3	13.6	0.0	0.0	10.0	18.2	18.2	4.7	0.0	0.0	4.3	5.6	5.6	1	2.8	0.0	0.0	0.0	4.3	4.3
Parenteral Nutrition																								
0	413	87.3	3590	75.2	23	5.6	3.3	3.3	4.8	7.6	7.6	6.4	3.3	3.3	6.4	9.4	9.4	12	9.8	3.4	3.4	15.5	17.2	17.2
1	10	2.1	101	2.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	24	5.1	391	8.2	1	4.2	0.0	0.0	0.0	5.0	5.0	2.6	0.0	0.0	0.0	3.1	3.1	1	6.9	0.0	0.0	0.0	7.9	7.9
4/6	11	2.3	223	4.7	1	9.1	0.0	0.0	5.0	10.0	10.0	4.5	0.0	0.0	2.4	4.8	4.8	1	14.3	0.0	0.0	7.2	14.5	14.5
>=7	15	3.2	471	9.9	1	6.7	0.0	0.0	3.8	7.7	7.7	2.1	0.0	0.0	1.2	2.4	2.4	0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=#NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=intubation Utilization Rate; intubation days / 1000 patientdays

Table 25: Pneumonia and Invasive Device Exposure (c)

		pats ^a										patdays ^a										NP ^a										IAP ^a									
		# ^b					% ^b					# ^b					% ^b					incd ^b					# ^b					incd ^b									
		agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90				
Invasive Mechanical Ventilation																																									
0	299	63.2	2219	46.5	3	1.0	0.0	0.0	1.4	2.4	2.4	2.4	2.4	1.4	0.0	0.0	2.2	4.3	4.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1	73	15.4	682	14.3	6	8.2	3.6	3.6	8.3	12.1	12.1	12.1	12.1	8.8	3.5	3.5	10.4	13.5	13.5	3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2/3	42	8.9	501	10.5	7	16.7	9.5	9.5	16.7	26.7	26.7	26.7	26.7	14.0	7.2	7.2	16.4	24.4	24.4	5	18.2	6.9	6.9	6.9	6.9	25.0	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7		
4/6	39	8.2	750	15.7	8	20.5	0.0	0.0	13.6	41.7	41.7	41.7	41.7	10.7	0.0	0.0	7.0	23.1	23.1	6	12.2	0.0	0.0	0.0	0.0	10.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3			
>=7	20	4.2	624	13.1	2	10.0	0.0	0.0	6.7	13.3	13.3	13.3	13.3	3.2	0.0	0.0	2.0	3.9	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Non-Invasive Mechanical Ventilation																																									
0	336	71.0	3260	68.3	16	4.8	3.9	3.9	5.5	5.6	5.6	5.6	5.6	4.9	3.1	3.1	7.3	7.7	7.7	8	6.0	3.1	3.1	3.1	3.1	6.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1		
1	71	15.0	671	14.0	8	11.3	0.0	0.0	5.6	14.3	14.3	14.3	14.3	11.9	0.0	0.0	6.0	15.0	15.0	5	18.2	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2/3	42	8.9	406	8.5	1	2.4	0.0	0.0	0.0	5.6	5.6	5.6	5.6	2.5	0.0	0.0	0.0	4.9	4.9	1	14.5	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4/6	19	4.0	313	6.6	1	5.3	0.0	0.0	0.0	14.3	14.3	14.3	14.3	3.2	0.0	0.0	0.0	8.0	8.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
>=7	5	1.1	126	2.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Tracheotomy Intubation																																									
0	464	98.1	4504	94.3	24	5.2	3.5	3.5	4.7	7.0	7.0	7.0	7.0	5.3	3.0	3.0	6.0	8.3	8.3	14	9.0	4.5	4.5	4.5	4.5	9.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
1	2	0.4	20	0.4	1	50.0	0.0	0.0	50.0	100.0	100.0	100.0	100.0	50.0	0.0	0.0	31.3	62.5	62.5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2/3	2	0.4	9	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4/6	1	0.2	14	0.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
>=7	4	0.8	229	4.8	1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	4.4	4.4	4.4	4.4	4.4	4.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 26: Bloodstream Infection and Invasive Device Exposure (a)

		pats ^a						pathways ^a						NB ^a						CAB ^a													
		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b									
		agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90				
Intubation																																	
0	308	65.1	2550	53.4	5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	2.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.7
1	72	15.2	587	12.3	2	2.8	0.0	0.0	0.0	3.2	3.3	3.3	3.4	3.3	3.4	3.4	0.0	0.0	0.0	0.0	3.5	4.3	4.3	1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8
2/3	41	8.7	609	12.8	5	12.2	0.0	0.0	0.0	5.0	25.0	25.0	8.2	25.0	25.0	8.2	0.0	0.0	0.0	0.0	3.0	16.9	16.9	4	7.2	0.0	0.0	0.0	0.0	0.0	18.3	18.3	
4/6	29	6.1	435	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
>=7	23	4.9	595	12.5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Central Vascular Catheter																																	
0	206	43.6	1693	35.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	33	7.0	239	5.0	4	12.1	0.0	0.0	0.0	9.1	17.6	17.6	16.7	17.6	16.7	16.7	0.0	0.0	0.0	0.0	8.4	30.9	30.9	3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	37.5	37.5
2/3	129	27.3	964	20.2	7	5.4	0.0	0.0	0.0	1.8	10.9	10.9	7.3	10.9	10.9	7.3	0.0	0.0	0.0	0.0	2.3	13.7	13.7	6	7.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	
4/6	44	9.3	496	10.4	1	2.3	0.0	0.0	0.0	0.0	7.7	7.7	2.0	7.7	7.7	2.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6	1	2.2	0.0	0.0	0.0	0.0	7.0	7.0		
>=7	61	12.9	1384	29.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Urinary Catheter																																	
0	133	28.1	1362	28.5	1	0.8	0.0	0.0	0.0	0.0	1.3	1.3	0.7	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1	1.2	0.0	0.0	0.0	0.0	0.0	3.4	3.4	
1	35	7.4	195	4.1	4	11.4	0.0	0.0	0.0	13.0	16.7	16.7	20.5	16.7	16.7	20.5	0.0	0.0	0.0	0.0	20.4	24.0	24.0	3	27.5	0.0	0.0	0.0	0.0	0.0	40.5	40.5	
2/3	183	38.7	1214	25.4	6	3.3	0.0	0.0	0.0	1.2	6.6	6.6	4.9	6.6	6.6	4.9	0.0	0.0	0.0	0.0	1.8	9.1	9.1	5	6.5	0.0	0.0	0.0	0.0	13.9	13.9		
4/6	63	13.3	672	14.1	1	1.6	0.0	0.0	0.0	0.0	6.7	6.7	1.5	6.7	6.7	1.5	0.0	0.0	0.0	0.0	0.0	5.8	5.8	1	2.1	0.0	0.0	0.0	0.0	7.3	7.3		
>=7	59	12.5	1333	27.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 27: Bloodstream Infection and Invasive Device Exposure (b)

	pats ^a				patdays ^a				NB ^a										CAB ^a									
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b					
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg				
Naso Oro Intestinal Tube without feeding																												
0	300	63.4	2685	56.2	7	2.3	0.0	0.0	1.0	3.8	3.8	2.6	0.0	0.0	0.9	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	69	14.6	578	12.1	4	5.8	0.0	0.0	3.8	7.9	7.9	6.9	0.0	0.0	6.1	7.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	57	12.1	535	11.2	1	1.8	0.0	0.0	0.0	14.3	14.3	1.9	0.0	0.0	0.0	11.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	17	3.6	232	4.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	30	6.3	746	15.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naso Oro Intestinal Tube with feeding																												
0	363	76.7	3217	67.4	5	1.4	0.0	0.0	1.2	2.2	2.2	1.6	0.0	0.0	1.1	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	32	6.8	374	7.8	5	15.6	0.0	0.0	10.9	21.7	21.7	13.4	0.0	0.0	9.0	18.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	39	8.2	409	8.6	2	5.1	0.0	0.0	4.8	9.5	9.5	4.9	0.0	0.0	6.6	13.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	20	4.2	274	5.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	19	4.0	502	10.5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parenteral Nutrition																												
0	415	87.7	3716	77.8	11	2.7	0.0	0.0	1.3	4.6	4.6	3.0	0.0	0.0	1.2	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	11	2.3	109	2.3	1	9.1	0.0	0.0	25.0	50.0	50.0	9.2	0.0	0.0	45.5	90.9	90.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	23	4.9	354	7.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	10	2.1	199	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	14	3.0	398	8.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 28: Bloodstream Infection and Invasive Device Exposure (c)

		NB ^a						CAB ^a																														
pats ^a		patdays ^a			% ^b			incd ^b			# ^b																											
# ^b	% ^b	# ^b	% ^b	# ^b	% ^b	# ^b	% ^b	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90																				
Invasive Mechanical Ventilation																																						
0	315	66.6	2624	54.9	5	1.6	0.0	0.0	0.0	0.0	3.4	3.4	1.9	0.0	0.0	0.0	4.8	4.8	5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	70	14.8	665	13.9	3	4.3	0.0	0.0	3.6	6.5	6.5	4.5	4.5	0.0	0.0	3.5	6.6	6.6	2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2/3	39	8.2	496	10.4	4	10.3	0.0	0.0	5.0	21.4	21.4	8.1	8.1	0.0	0.0	3.3	20.0	20.0	3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	31	6.6	517	10.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
>=7	18	3.8	474	9.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Non-Invasive Mechanical Ventilation																																						
0	340	71.9	3353	70.2	6	1.8	0.0	0.0	1.3	3.1	3.1	1.8	1.8	0.0	0.0	1.0	4.2	4.2	4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	69	14.6	633	13.3	6	8.7	0.0	0.0	0.0	12.5	12.5	9.5	9.5	0.0	0.0	0.0	13.4	13.4	6	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	41	8.7	382	8.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4/6	18	3.8	282	5.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
>=7	5	1.1	126	2.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Tracheotomy Intubation																																						
0	466	98.5	4597	96.3	12	2.6	0.0	0.0	1.0	5.0	5.0	2.6	2.6	0.0	0.0	0.8	5.9	5.9	10	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	1	0.2	4	0.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2/3	2	0.4	9	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4/6	1	0.2	14	0.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
>=7	3	0.6	152	3.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incd = # NB / 1000 patientdays; CAB incd = # NP / 1000 Catheter days (before 1st NB);

Table 29: Pneumonia and SOFAscore (a)

	pats ^a		patdays ^a		NP ^a										IAP ^a								
	# ^b	% ^b	# ^b	% ^b	agg	p10	p25	p50	p75	p90	incd ^b					incd ^b							
											agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
mean CNS SOFA score																							
0	110	10.7	769	8.6	4	3.6	3.6	3.6	3.6	3.6	5.2	5.2	5.2	5.2	5.2	5.2	6.0	6.0	6.0	6.0	6.0	6.0	
0.1/1	61	5.9	605	6.8	6	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	26.6	26.6	26.6	26.6	26.6	26.6	26.6
1.1/2	18	1.7	126	1.4	1	5.6	5.6	5.6	5.6	5.6	7.9	7.9	7.9	7.9	7.9	7.9	0	0	0	0	0	0	0
2.1/3	5	0.5	93	1.0	2	40.0	40.0	40.0	40.0	40.0	21.5	21.5	21.5	21.5	21.5	21.5	0	0	0	0	0	0	0
3.1/4	8	0.8	55	0.6	2	25.0	25.0	25.0	25.0	25.0	36.4	36.4	36.4	36.4	36.4	36.4	2	58.8	58.8	58.8	58.8	58.8	58.8
mean Respiratory SOFA score																							
0	8	0.8	37	0.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0
0.1/1	38	3.7	210	2.3	1	2.6	2.6	2.6	2.6	2.6	4.8	4.8	4.8	4.8	4.8	4.8	0	0	0	0	0	0	0
1.1/2	86	8.3	760	8.5	5	5.8	5.8	5.8	5.8	5.8	6.6	6.6	6.6	6.6	6.6	6.6	1	6.0	6.0	6.0	6.0	6.0	6.0
2.1/3	51	5.0	487	5.4	4	7.8	7.8	7.8	7.8	7.8	8.2	8.2	8.2	8.2	8.2	8.2	2	8.0	8.0	8.0	8.0	8.0	8.0
3.1/4	10	1.0	172	1.9	5	50.0	50.0	50.0	50.0	50.0	29.1	29.1	29.1	29.1	29.1	29.1	5	59.5	59.5	59.5	59.5	59.5	59.5
mean Coagulation SOFA score																							
0	133	12.9	1068	11.9	10	7.5	7.5	7.5	7.5	7.5	9.4	9.4	9.4	9.4	9.4	9.4	5	19.1	19.1	19.1	19.1	19.1	19.1
0.1/1	56	5.4	533	6.0	3	5.4	5.4	5.4	5.4	5.4	5.6	5.6	5.6	5.6	5.6	5.6	1	4.5	4.5	4.5	4.5	4.5	4.5
1.1/2	10	1.0	75	0.8	2	20.0	20.0	20.0	20.0	20.0	26.7	26.7	26.7	26.7	26.7	26.7	2	76.9	76.9	76.9	76.9	76.9	76.9
2.1/3	3	0.3	16	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
3.1/4	2	0.2	21	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incd = # NP / 1000 patientdays; IAP incd = # NP / 1000 intubation days (before 1st NP);

Table 30: Pneumonia and SOFAscore (b)

	pats ^a			NP ^a												IAP ^a							
	# ^b	patdays ^a		% ^b						incd ^b						# ^b			incd ^b				
		agg	agg	# ^b	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
mean Cardiovascular SOFA score																							
0	69	6.7	392	4.4	7.2	7.2	7.2	7.2	7.2	12.8	12.8	12.8	12.8	12.8	12.8	2	46.5	46.5	46.5	46.5	46.5	46.5	
0.1/1	60	5.8	602	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.6	0	0.0	0.0	0.0	0.0	0.0	0.0	
1.1/2	40	3.9	400	4.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	3	19.7	19.7	19.7	19.7	19.7	19.7	
2.1/3	23	2.2	225	2.5	8.7	8.7	8.7	8.7	8.7	8.9	8.9	8.9	8.9	8.9	8.9	2	16.3	16.3	16.3	16.3	16.3	16.3	
3.1/4	11	1.1	67	0.7	9.1	9.1	9.1	9.1	9.1	14.9	14.9	14.9	14.9	14.9	14.9	1	31.3	31.3	31.3	31.3	31.3	31.3	
mean Renal SOFA score																							
0	72	7.0	588	6.6	6.9	6.9	6.9	6.9	6.9	8.5	8.5	8.5	8.5	8.5	8.5	3	19.2	19.2	19.2	19.2	19.2	19.2	
0.1/1	66	6.4	485	5.4	9.1	9.1	9.1	9.1	9.1	12.4	12.4	12.4	12.4	12.4	12.4	2	13.9	13.9	13.9	13.9	13.9	13.9	
1.1/2	31	3.0	354	4.0	9.7	9.7	9.7	9.7	9.7	8.5	8.5	8.5	8.5	8.5	8.5	2	15.5	15.5	15.5	15.5	15.5	15.5	
2.1/3	17	1.7	144	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
3.1/4	17	1.7	115	1.3	5.9	5.9	5.9	5.9	5.9	8.7	8.7	8.7	8.7	8.7	8.7	1	34.5	34.5	34.5	34.5	34.5	34.5	
mean Liver SOFA score																							
0	151	14.7	1152	12.9	7.3	7.3	7.3	7.3	7.3	9.5	9.5	9.5	9.5	9.5	9.5	6	16.3	16.3	16.3	16.3	16.3	16.3	
0.1/1	29	2.8	415	4.6	10.3	10.3	10.3	10.3	10.3	7.2	7.2	7.2	7.2	7.2	7.2	1	8.1	8.1	8.1	8.1	8.1	8.1	
1.1/2	10	1.0	61	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
2.1/3	3	0.3	14	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
3.1/4	3	0.3	35	0.4	33.3	33.3	33.3	33.3	33.3	28.6	28.6	28.6	28.6	28.6	28.6	1	66.7	66.7	66.7	66.7	66.7	66.7	
mean Total SOFA score																							
0/1	8	0.8	40	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
2	29	2.8	223	2.5	6.9	6.9	6.9	6.9	6.9	9.0	9.0	9.0	9.0	9.0	9.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
3/4	55	5.3	494	5.5	5.5	5.5	5.5	5.5	5.5	6.1	6.1	6.1	6.1	6.1	6.1	0	0.0	0.0	0.0	0.0	0.0	0.0	
5/6	49	4.8	424	4.7	8.2	8.2	8.2	8.2	8.2	9.4	9.4	9.4	9.4	9.4	9.4	3	18.2	18.2	18.2	18.2	18.2	18.2	
7/max	44	4.3	449	5.0	13.6	13.6	13.6	13.6	13.6	13.4	13.4	13.4	13.4	13.4	13.4	5	22.9	22.9	22.9	22.9	22.9	22.9	

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incd = # NP / 1000 patientdays; IAP incd = # NP / 1000 intubation days (before 1st NP);

Table 31: Bloodstream Infections and SOFAScore (a)

	pats ^a			patdays ^a			NB ^a																																																
	# ^b	% ^b	agg	# ^b	% ^b	agg	# ^b	% ^b	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90																													
mean CNS SOFA score																																																							
0	111	10.8	779	8.7	6	5.4	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0														
0.1/1	61	5.9	610	6.8	3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5														
1.1/2	19	1.8	171	1.9	1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4													
2.1/3	5	0.5	59	0.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
3.1/4	6	0.6	29	0.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
mean Respiratory SOFA score																																																							
0	8	0.8	37	0.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.1/1	38	3.7	210	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.1/2	86	8.3	737	8.2	5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5					
2.1/3	53	5.1	554	6.2	3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3							
3.1/4	8	0.8	128	1.4	2	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5						
mean Coagulation SOFA score																																																							
0	132	12.8	1053	11.8	5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0			
0.1/1	57	5.5	548	6.1	2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2			
1.1/2	10	1.0	75	0.8	1	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8		
2.1/3	4	0.4	24	0.3	1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6			
3.1/4	1	0.1	13	0.1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9				

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB #=# NB /100 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 32: Bloodstream Infections and SOFAScore (b)

	pats ^a			NB ^a										CAB ^a										
	agg	agg	# ^b	% ^b					incd ^b					# ^b										
				p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90				
mean Cardiovascular SOFA score																								
0	70	6.8	411	4.6	2.9	2.9	2.9	2.9	2.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	17.9	17.9	17.9	17.9	17.9
0.1/1	59	5.7	604	6.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1/2	41	4.0	394	4.4	12.2	12.2	12.2	12.2	12.2	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	16.0	16.0	16.0	16.0	16.0
2.1/3	22	2.1	211	2.4	4.5	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.6	5.6	5.6	5.6	5.6
3.1/4	11	1.1	66	0.7	18.2	18.2	18.2	18.2	18.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.8	30.8	30.8	30.8	30.8
mean Renal SOFA score																								
0	72	7.0	588	6.6	2.8	2.8	2.8	2.8	2.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	7.6	7.6	7.6	7.6	7.6
0.1/1	66	6.4	485	5.4	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	7.1	7.1	7.1	7.1	7.1
1.1/2	28	2.7	296	3.3	7.1	7.1	7.1	7.1	7.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.4	8.4	8.4	8.4	8.4
2.1/3	18	1.7	157	1.8	16.7	16.7	16.7	16.7	16.7	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	22.2	22.2	22.2	22.2	22.2
3.1/4	18	1.7	129	1.4	5.6	5.6	5.6	5.6	5.6	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.8	8.8	8.8	8.8	8.8
mean Liver SOFA score																								
0	153	14.9	1179	13.2	3.3	3.3	3.3	3.3	3.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	7.5	7.5	7.5	7.5	7.5
0.1/1	27	2.6	388	4.3	11.1	11.1	11.1	11.1	11.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.8	8.8	8.8	8.8	8.8
1.1/2	10	1.0	61	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1/3	3	0.3	14	0.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	41.7	41.7	41.7	41.7	41.7
3.1/4	3	0.3	35	0.4	33.3	33.3	33.3	33.3	33.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	41.7	41.7	41.7	41.7	41.7
mean Total SOFA score																								
0/1	8	0.8	40	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	29	2.8	223	2.5	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/4	56	5.4	517	5.8	3.6	3.6	3.6	3.6	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	6.7	6.7	6.7	6.7	6.7
5/6	47	4.6	387	4.3	2	4.3	4.3	4.3	4.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	8.2	8.2	8.2	8.2	8.2
7/max	45	4.4	463	5.2	6	13.3	13.3	13.3	13.3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	14.1	14.1	14.1	14.1	14.1

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /100 patients; NB incd = # NB / 1000 patientdays; CAB incd = # NP / 1000 Catheter days (before 1st NB);

Table 33: Pneumonia and Antibiotic Use

	pats ^a										NP ^a										IAP ^a						
	patdays ^a					% ^b					incd ^b					# ^b											
	agg	agg	# ^b	% ^b	agg	agg	agg	p10	p25	p50	agg	agg	p10	p25	p50	agg	agg	p10	p25	p50	agg	agg	p10	p25	p50	p75	p90
total Antibiotic Use days																											
0	90	8.7	17.1	2688	30.0	14	8.0	6.3	6.3	8.6	10.9	10.9	5.2	3.8	3.8	6.1	8.4	8.4	8.4	8	6.4	4.3	4.3	8.4	8.4	12.5	
1	12	1.2	118	1.3	1	8.3	0.0	0.0	0.0	12.5	25.0	25.0	8.5	0.0	0.0	16.1	32.3	32.3	32.3	1	62.5	0.0	0.0	0.0	45.5	90.9	
2/3	41	4.0	216	2.4	2	4.9	0.0	0.0	0.0	4.2	8.3	8.3	9.3	0.0	0.0	7.7	15.4	15.4	15.4	1	31.3	0.0	0.0	0.0	23.8	47.6	
4/6	90	8.7	542	6.1	5	5.6	2.9	2.9	5.1	7.3	7.3	9.2	4.5	4.5	8.5	12.5	12.5	12.5	2	17.7	0.0	0.0	0.0	13.7	27.4		
>=7	176	17.1	2688	30.0	14	8.0	6.3	6.3	8.6	10.9	10.9	5.2	3.8	3.8	6.1	8.4	8.4	8.4	8	6.4	4.3	4.3	8.4	8.4	12.5		
SDD Antibiotic Use days																											
0	409	39.7	4279	47.8	23	5.6	3.9	3.9	5.6	7.4	7.4	7.4	5.4	3.1	3.1	5.9	8.8	8.8	8.8	12	7.3	3.6	3.6	9.4	15.2		
1	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
2/3	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
4/6	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
>=7	0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
Profylactic Antibiotic Use days																											
0	378	36.7	3969	44.3	21	5.6	4.2	4.2	5.6	6.9	6.9	6.9	5.3	3.3	3.3	5.8	8.4	8.4	8.4	12	7.7	3.7	3.7	10.2	16.6		
1	19	1.8	204	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
2/3	4	0.4	44	0.5	1	25.0	0.0	0.0	0.0	16.7	33.3	33.3	22.7	0.0	0.0	12.8	25.6	25.6	25.6	0	0.0	0.0	0.0	0.0	0.0		
4/6	7	0.7	45	0.5	1	14.3	14.3	14.3	14.3	14.3	14.3	14.3	22.2	22.2	22.2	22.2	22.2	22.2	22.2	0	0.0	0.0	0.0	0.0	0.0		
>=7	1	0.1	17	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
Empirical Antibiotic Use days																											
0	128	12.4	1081	12.1	4	3.1	0.0	0.0	0.0	2.5	5.1	5.1	3.7	0.0	0.0	3.5	7.0	7.0	7.0	1	3.4	0.0	0.0	3.5	7.0		
1	10	1.0	55	0.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0		
2/3	62	6.0	361	4.0	2	3.2	2.3	2.3	3.8	5.3	5.3	5.3	5.5	3.9	3.9	6.8	9.7	9.7	9.7	1	17.2	0.0	0.0	13.9	27.8		
4/6	81	7.9	692	7.7	8	9.9	2.8	2.8	9.2	15.6	15.6	11.6	11.6	3.8	3.8	10.0	16.2	16.2	16.2	5	22.5	14.3	14.3	20.3	26.3		
>=7	128	12.4	2090	23.3	9	7.0	6.1	6.1	8.2	10.3	10.3	4.3	4.3	3.6	3.6	5.4	7.3	7.3	7.3	5	4.7	3.4	3.4	7.2	11.0		

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; IAP=Intubation Associated NP
^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP /100 patients; NP incid = # NP / 1000 patientdays; IAP incid = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 34: Bloodstream Infection and Antibiotic Use

	pats ^a				patdays ^a				NB ^a										CAB ^a						
	# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		# ^b		% ^b		
	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	agg	
total Antibiotic Use days																									
0	103	10.0	1076	12.0	3	2.9	0.0	0.0	0.0	2.3	4.7	4.7	2.8	0.0	0.0	2.9	5.9	5.9	3	4.0	0.0	0.0	5.0	10.0	10.0
1	11	1.1	104	1.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	41	4.0	226	2.5	2	4.9	4.3	4.3	5.0	5.6	5.6	5.6	8.8	7.8	7.8	9.0	10.3	10.3	1	9.6	0.0	0.0	7.1	14.3	14.3
4/6	87	8.4	510	5.7	2	2.3	0.0	0.0	1.9	3.8	3.8	3.8	3.9	0.0	0.0	3.3	6.7	6.7	2	7.6	0.0	0.0	6.7	13.4	13.4
>=7	167	16.2	2363	26.4	5	3.0	0.9	0.9	3.8	6.6	6.6	6.6	2.1	0.6	0.6	3.0	5.3	5.3	4	2.1	0.0	0.0	3.6	7.1	7.1
SDD Antibiotic Use days																									
0	409	39.7	4279	47.8	12	2.9	1.0	1.0	2.9	4.9	4.9	4.9	2.8	0.8	0.8	3.3	5.8	5.8	10	3.3	0.0	0.0	4.6	9.2	9.2
1	0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2/3	0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4/6	0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>=7	0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prophylactic Antibiotic Use days																									
0	380	36.9	3979	44.4	12	3.2	1.1	1.1	3.2	5.3	5.3	5.3	3.0	0.8	0.8	3.6	6.4	6.4	10	3.5	0.0	0.0	5.0	9.9	9.9
1	19	1.8	204	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	3	0.3	39	0.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	6	0.6	40	0.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	1	0.1	17	0.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Empirical Antibiotic Use days																									
0	139	13.5	1437	16.1	4	2.9	0.0	0.0	2.4	4.8	4.8	4.8	2.8	0.0	0.0	2.9	5.9	5.9	4	4.2	0.0	0.0	5.0	10.0	10.0
1	11	1.1	68	0.8	1	9.1	0.0	0.0	5.6	11.1	11.1	11.1	14.7	0.0	0.0	9.1	18.2	18.2	1	20.4	0.0	0.0	13.5	27.0	27.0
2/3	61	5.9	346	3.9	1	1.6	0.0	0.0	2.6	5.3	5.3	5.3	2.9	0.0	0.0	4.9	9.7	9.7	0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	76	7.4	612	6.8	3	3.9	0.0	0.0	3.7	7.3	7.3	7.3	4.9	0.0	0.0	3.9	7.9	7.9	3	7.5	0.0	0.0	5.6	11.3	11.3
>=7	122	11.8	1816	20.3	3	2.5	1.1	1.1	4.1	7.1	7.1	7.1	1.7	0.7	0.7	3.2	5.6	5.6	2	1.4	0.0	0.0	4.0	8.0	8.0

^a pats=patients patdays=patient days NB=Nosocomial Bacteremia; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NB %=# NB /1000 patients; NB incid = # NB / 1000 patientdays; CAB incid = # NP / 1000 Catheter days (before 1st NB);

Table 35: Standardized Pneumonia and Bacteremia Rates

	Expected ^a	Observed/Expected ^a					
	agg	agg	p10	p25	p50	p75	p90
Nosocomial Bacteremia	12.00	1.00	0.00	0.00	0.35	2.04	2.04
Nosocomial Pneumonia	26.00	1.00	0.66	0.66	1.12	1.35	1.35

^a Expected=number of infection as predicted by risk factors for Pneumonia and Bacteremia Observed/Expected=number of observed infections divided by expected number of infections

Table 36: Nosocomial Pneumonia and Bacteremia risk score distribution

	pats ^a						NP,NB ^a						IAP,CAB ^a						
	patdays ^a			# ^b			% ^b			incd ^b			# ^b			incd ^b			
	agg	agg	% ^b	agg	agg	# ^b	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	
Nosocomial Pneumonia Risk Score																			
≤ 9	102	9.9	1208	13.5	2	2.0	0.0	0.0	0.0	4.3	4.3	2.4	0	0.0	0.0	0.0	0.0	0.0	0.0
10/19	172	16.7	1274	14.2	2	1.2	0.0	0.0	0.0	2.4	2.4	3.6	0	0.0	0.0	0.0	0.0	0.0	0.0
20/29	81	7.9	716	8.0	2	2.5	0.0	0.0	2.6	3.4	3.8	3.8	0	0.0	0.0	0.0	0.0	0.0	0.0
30/39	34	3.3	430	4.8	2	5.9	0.0	0.0	5.9	9.1	10.9	10.9	1	5.4	0.0	0.0	0.0	9.4	9.4
40/49	51	5.0	714	8.0	12	23.5	10.3	10.3	40.0	50.0	40.0	40.0	9	18.3	9.9	9.9	29.2	52.6	52.6
50/59	16	1.6	154	1.7	3	18.8	11.1	11.1	16.7	100.0	100.0	142.9	1	8.3	0.0	0.0	13.5	27.0	27.0
≥ 60	10	1.0	239	2.7	3	30.0	0.0	0.0	40.0	100.0	100.0	40.0	3	19.7	0.0	0.0	28.2	62.5	62.5
Nosocomial Bacteremia Risk Score																			
≤ 9	192	18.6	1315	14.7	3	1.6	0.0	0.0	0.0	3.6	3.6	5.9	3	6.6	0.0	0.0	0.0	23.1	23.1
10/19	118	11.5	1226	13.7	4	3.4	0.0	0.0	2.1	6.0	6.0	6.2	3	3.1	0.0	0.0	0.0	8.3	8.3
20/29	52	5.0	723	8.1	1	1.9	0.0	0.0	0.0	3.8	3.8	2.1	0	0.0	0.0	0.0	0.0	0.0	0.0
30/39	49	4.8	596	6.7	1	2.0	0.0	0.0	0.0	5.6	5.6	5.8	1	1.8	0.0	0.0	0.0	6.0	6.0
40/49	45	4.4	747	8.3	1	2.2	0.0	0.0	0.0	6.7	6.7	5.6	1	1.5	0.0	0.0	0.0	7.6	7.6
≥ 50	5	0.5	103	1.2	2	40.0	0.0	0.0	25.0	50.0	50.0	21.3	2	20.8	0.0	0.0	11.2	22.5	22.5
0	0	0.0	0	0.0	0	.						21.3	0	.					

^a pats=patients patdays=patient days NP=Nosocomial Pneumonia; NB=Nosocomial Bacteremia; IAP=Intubation Associated NP; CAB=Catheter Associated NB

^b #=#crude number; pats/patdays %=percentage of total pats/patdays; NP %=# NP/100 patients; NP incd = # NP/1000 patientdays; IAP incd = # NP/1000 intubation days (before 1st NP); NB %=# NB/100 patients; NB incd = # NB/1000 catheter days (before 1st NB);

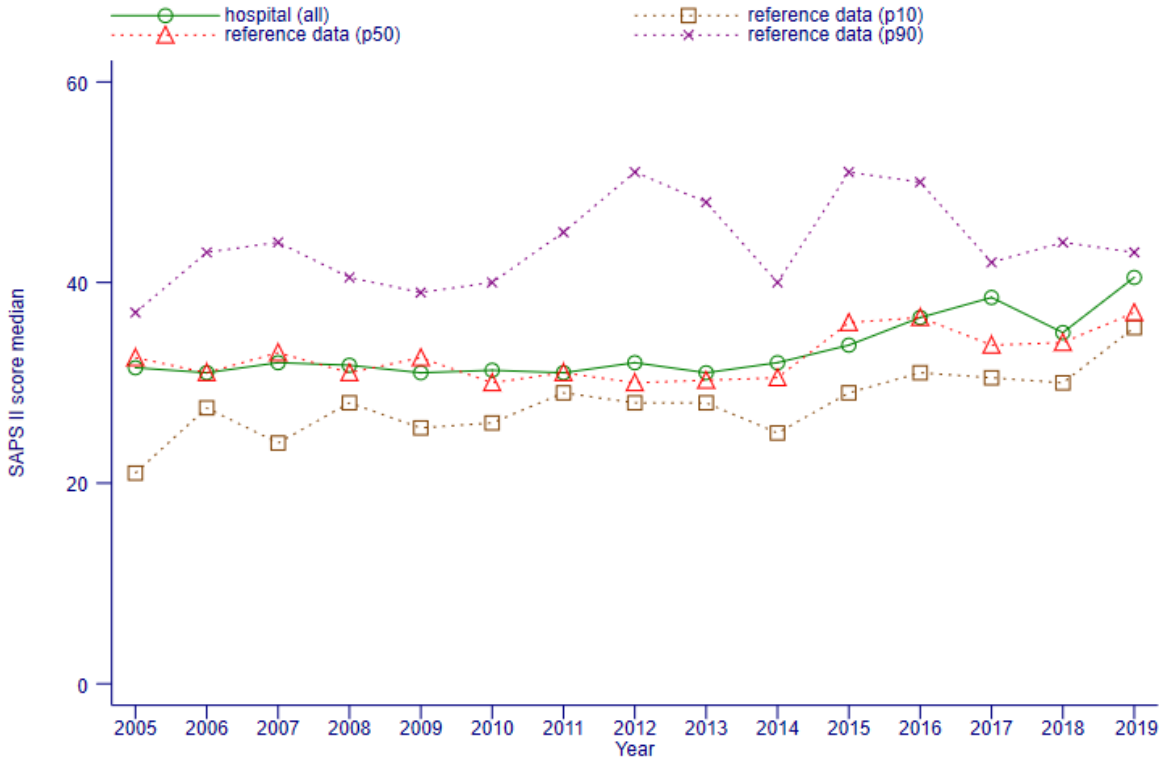


Figure 1: Evolution: SAPS II Score Median

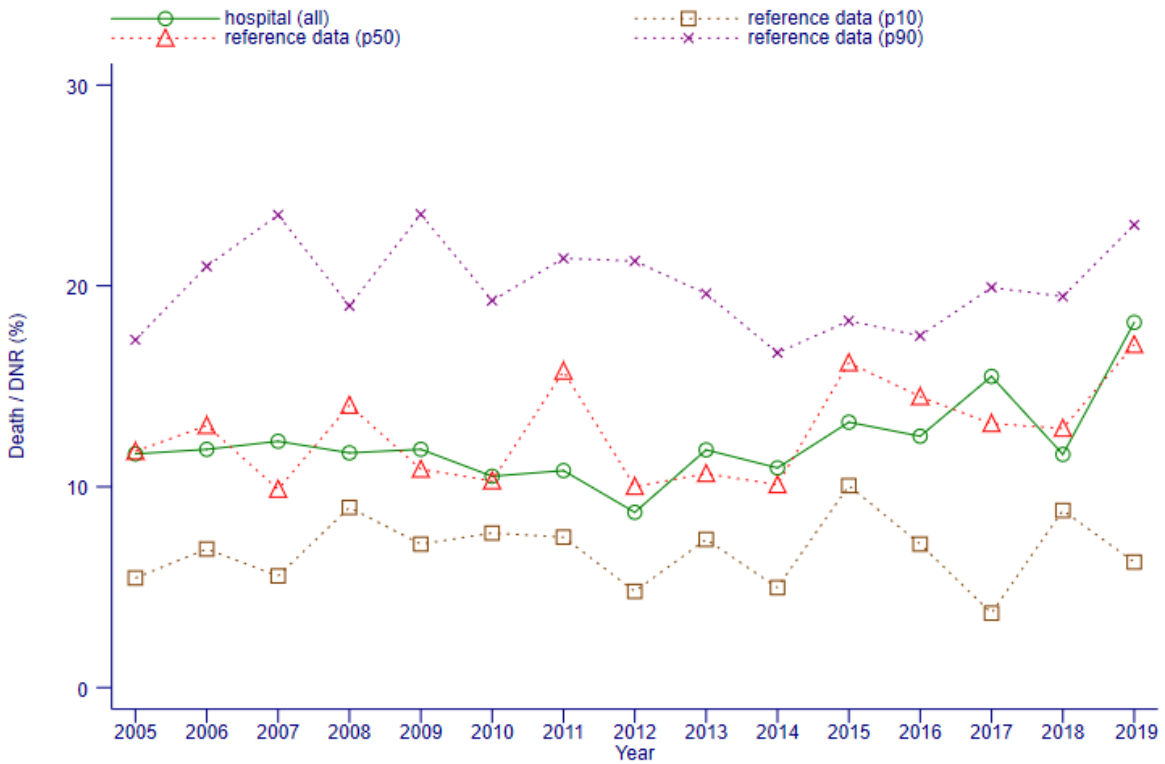


Figure 2: Evolution: Death / DNR (%)

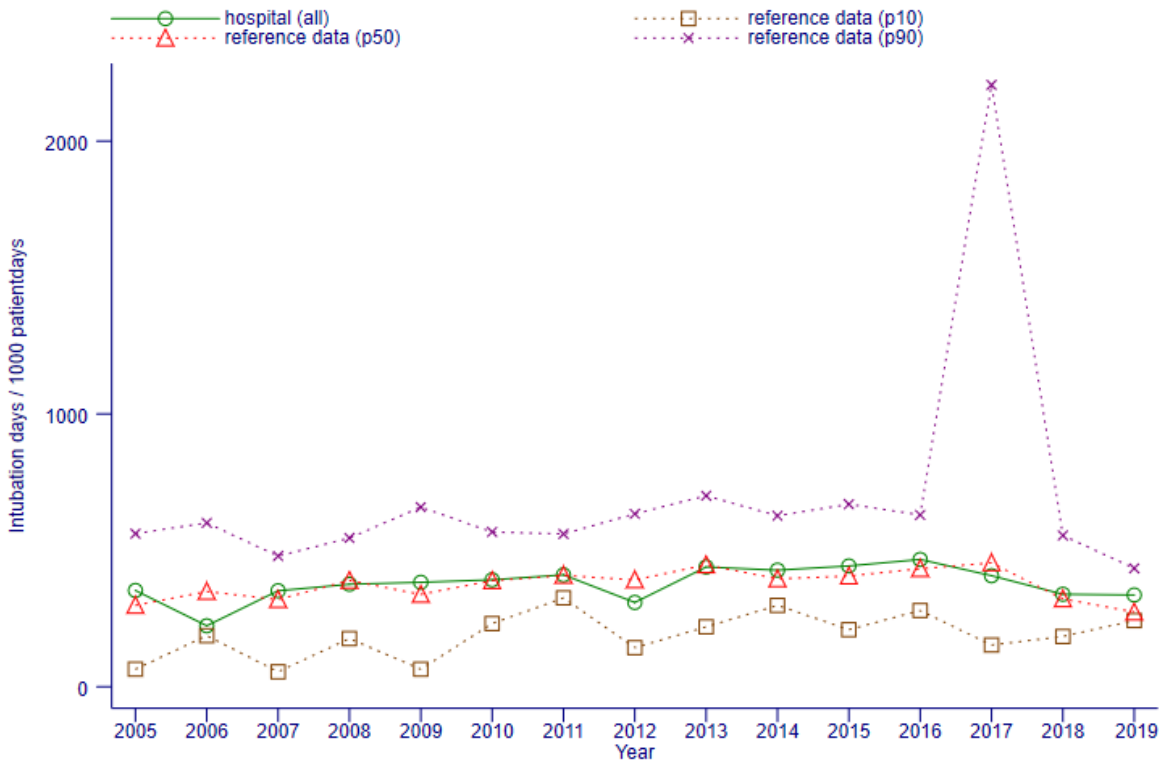


Figure 3: Evolution: Intubation days / 1000 patientdays

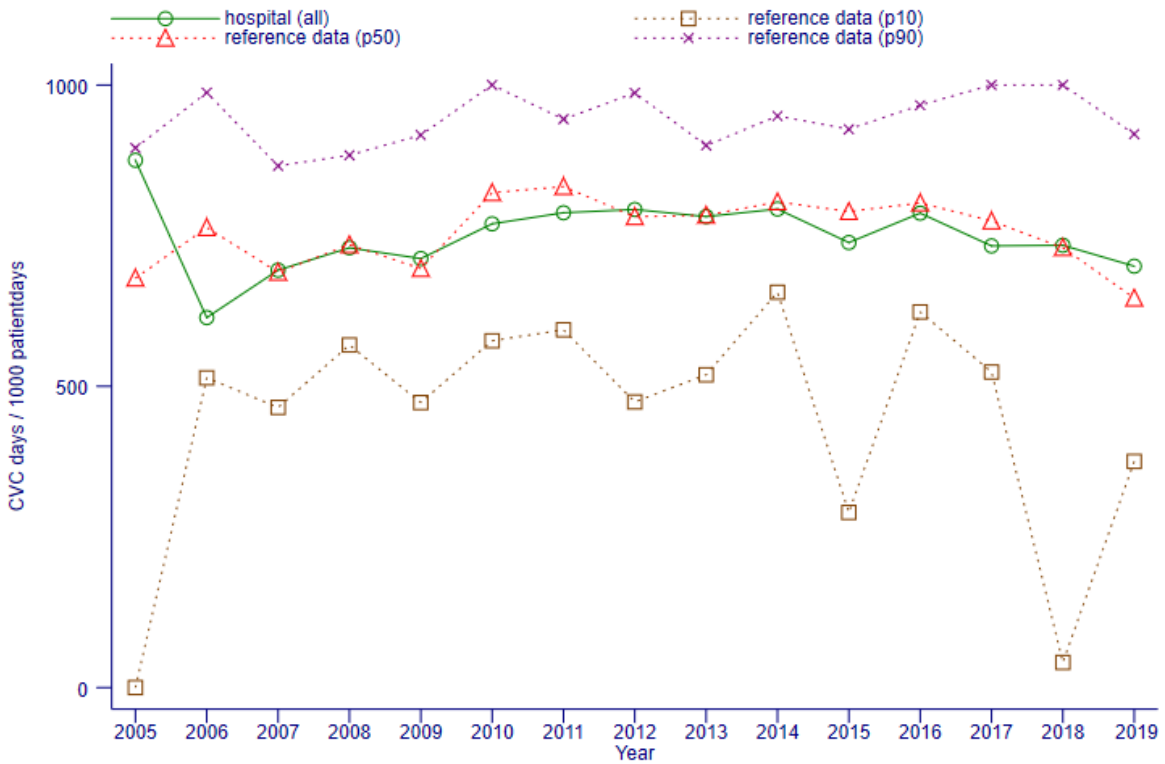


Figure 4: Evolution: CVC days / 1000 patientdays



Figure 5: Evolution: Any AB utilization days / 1000 patientdays

Hospital (all) :
1.00 observed NP/expected NP

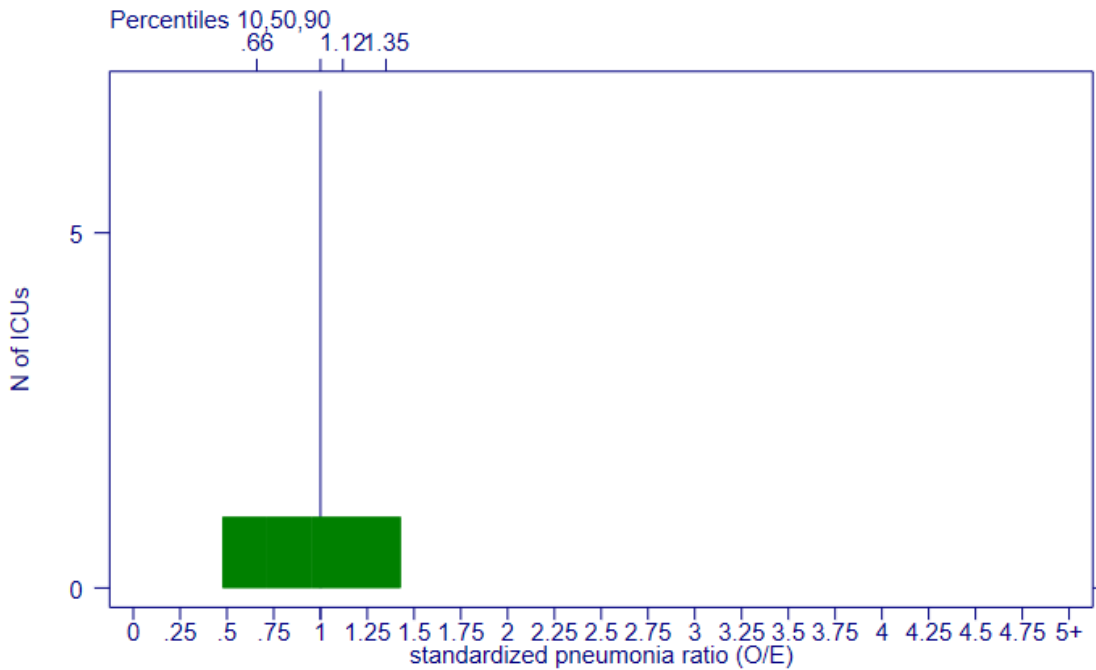


Figure 6: Benchmark: Standardized Pneumonia Ratio

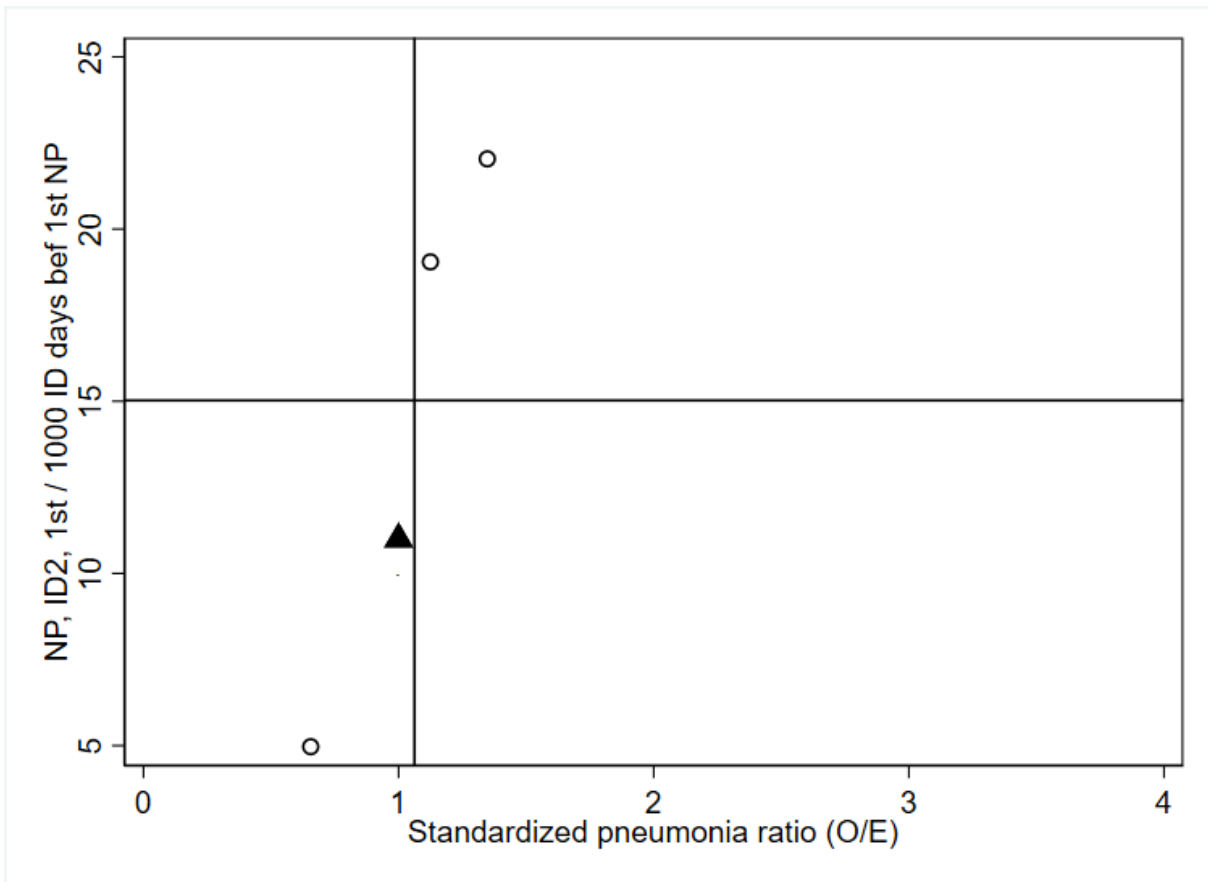


Figure 7: Benchmark: Ventilator Associated Pneumonia versus Standardized Pneumonia Ratio

Hospital (all) :
1.00 observed NB/expected NB

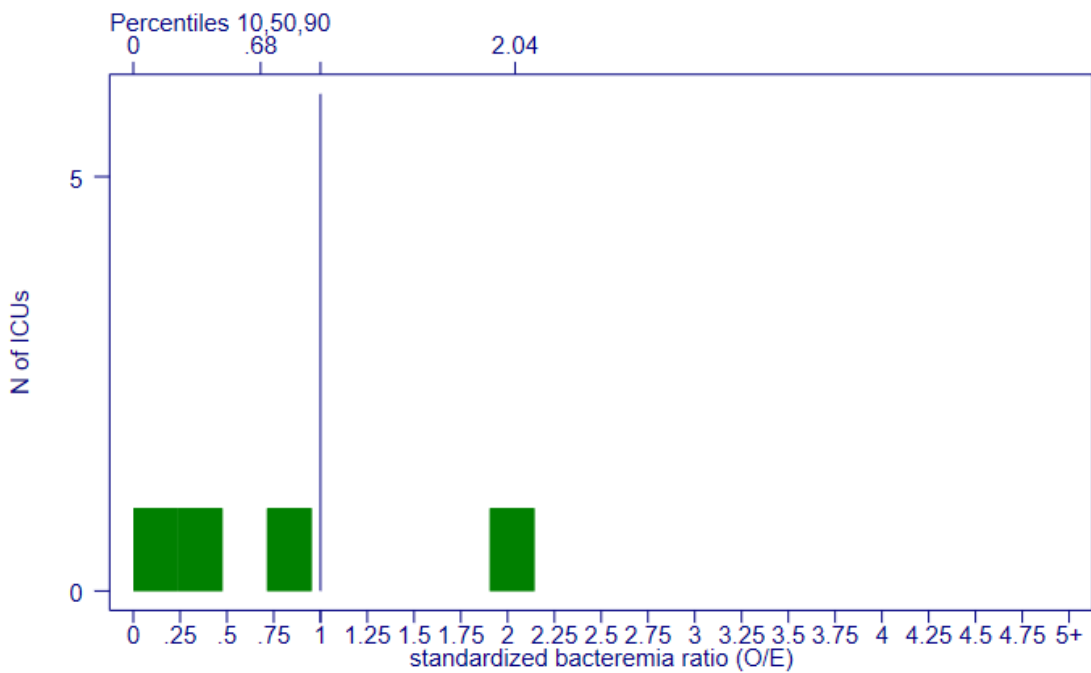


Figure 8: Benchmark: Standardized Bacteremia Ratio

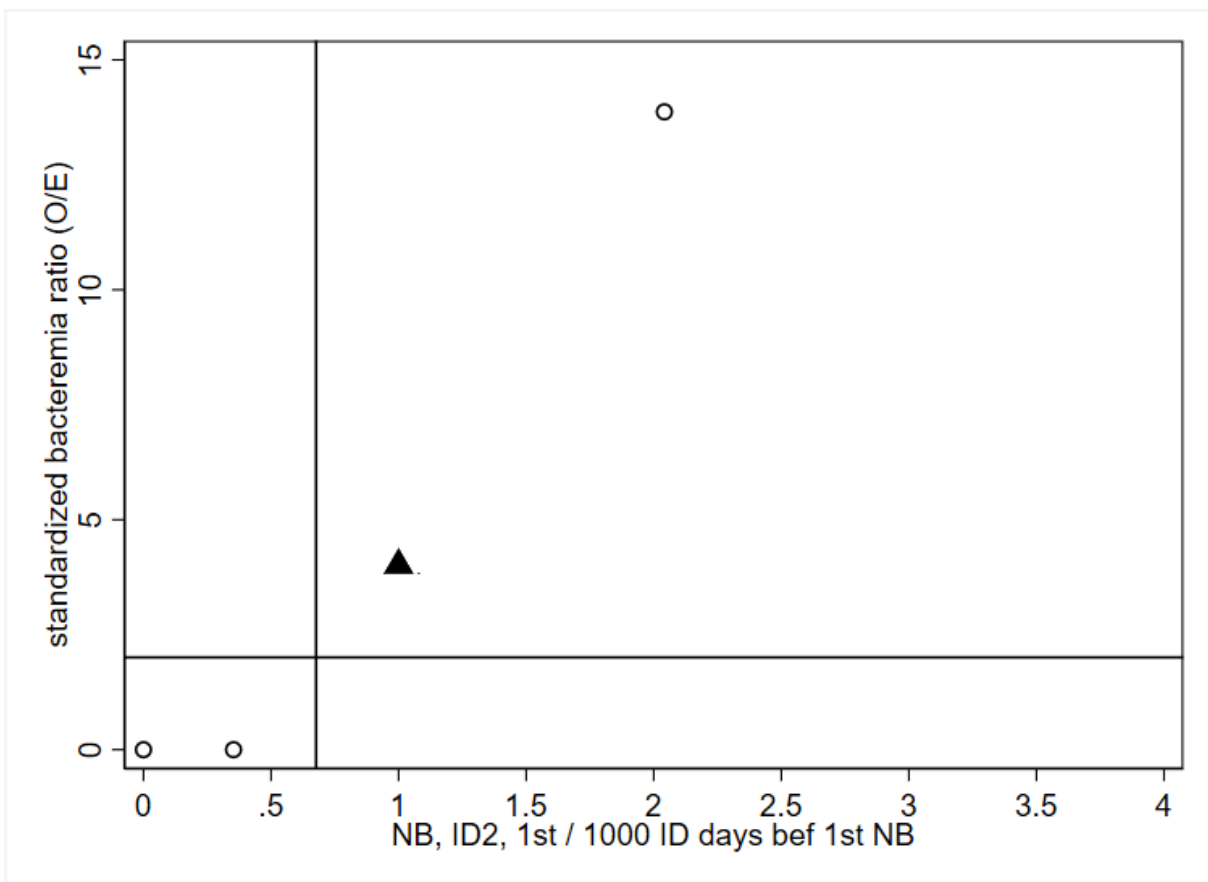


Figure 9: Benchmark: Catheter Associated Bacteremia versus Standardized Bacteremia Ratio