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Surveillance of ICU - Acquired Infections
National Feedback Report
Risk Factor Indicators
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National Surveillance of Hospital Infections (NSIH program)

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List of Tables

List of Figures

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	v	o	M	0	0.00	0.00	0.00	0.00	0.00	0.00
discharge status	v	v	o	R	2	0.06	0.00	0.00	0.00	0.00	0.19
discharge date from the hospital	v	v	o	O	905	26.29	0.00	0.00	0.53	76.27	98.63
discharge status from the hospital	v	v	o	O	886	25.74	0.00	0.00	0.53	75.14	98.63
SAPS II score	v	v	o	R	470	13.65	0.00	0.00	0.00	3.10	48.55
APACHE II score	v	v	o	O	470	13.65	0.00	0.00	0.00	3.10	48.55
PRISM score	v	v	o	O	487	14.15	0.00	0.00	0.00	3.79	50.10
patient origin	v	v	o	O	17	0.49	0.00	0.00	0.00	0.68	2.74
type of admission	v	v	o	R	16	0.46	0.00	0.00	0.00	1.03	2.74
trauma	v	v	o	R	198	5.75	0.00	0.00	0.00	0.69	1.68
impaired immunity	v	v	o	O	196	5.69	0.00	0.00	0.00	1.68	2.82
antimicrobial treatment within 48h around admission (<>48h)	v	v	o	R	65	1.89	0.00	0.00	0.00	2.11	5.04
acute coronary care		v	a	R	210	6.10	0.00	0.00	0.68	1.76	4.20
surgery in 30 days before admission		v	a	R	12	0.35	0.00	0.00	0.00	0.00	2.11
surgery in 30 days before admission		v	a	R	0	0.00	0.00	0.00	0.00	0.00	0.00
Glasgow coma score, estimated		v	a	O	1529	44.42	0.00	0.00	87.01	100.00	100.00
Glasgow coma score, measured		v	a	O	916	26.61	0.00	0.00	0.00	100.00	100.00
total patient variables		v	a	O	6379	20.07	3.87	12.01	14.87	26.41	34.90

[a] l1= level 1 variable (denominator-based surveillance) ; l2= 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)

	#[b]	patients %[b]				LOS p50[a]				SAPSII p50[a]				Death/DNR %[a]			
		agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75
Age																	
≤ 40	122	7	4	5	10	5	4	5	8	29	23	28	30	7	0	3	11
40-59	408	22	17	20	23	6	5	5	6	30	25	30	34	7	6	8	8
60-69	447	24	22	27	29	6	5	6	6	37	32	37	42	14	12	13	17
70-74	245	13	11	13	16	6	5	6	7	38	31	32	42	13	11	13	19
75-79	259	14	12	14	15	6	4	5	6	42	37	42	46	14	8	14	18
≥ 80	389	21	14	19	23	5	5	5	6	44	38	41	48	17	11	17	23
unknown	0	0	0	0	0												
Gender																	
female	715	38	35	40	42	5	5	5	6	37	34	37	38	15	12	17	19
male	1155	62	58	60	65	5	4	5	6	38	30	35	41	11	11	12	13
unknown	0	0	0	0	0												
SAPSII score																	
≤ 10	22	1	1	1	2	5	4	6	9	7	7	7	7	0	0	0	0
10-19	132	7	4	9	12	5	4	4	6	17	16	17	18	0	0	0	0
20-29	298	16	9	19	25	5	4	4	5	26	25	26	26	3	0	3	9
30-39	347	19	11	25	27	6	4	5	7	34	33	34	34	10	8	10	11
40-49	232	12	7	10	17	6	5	6	9	44	43	44	44	15	13	20	22
50-59	159	9	7	8	12	9	7	9	11	55	53	54	55	24	16	25	29
≥ 60	203	11	8	11	14	11	10	11	11	70	67	69	69	30	22	33	40
unknown	477	26	0	1	40	5	4	5	5					12	0	10	12

[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 %[b]				LOS p50[a]				SAPSII p50[a]				Death/DNR %[a]			
		agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75
Apache Score																	
< 10	37	2	0	0	0	3	3	4	5	10	10	17	24	0	0	0	0
10-19	92	5	0	0	0	4	4	4	4	32	29	33	36	1	0	1	1
20-29	113	6	0	0	0	6	4	5	6	41	40	47	53	11	8	54	100
30-39	53	3	0	0	0	12	10	34	59	62	61	72	83	19	0	10	19
40-49	16	1	0	0	0	11	13	13	13	76	83	83	83	50	50	50	50
50-59	0	0	0	0	0												
≥ 60	1	0	0	0	0	4	4	4	4	60	60	60	60	0	0	0	0
unknown	1558	83	100	100	100	5	5	5	6	36	34	36	40	13	10	14	15
Patient Origin																	
other service	1180	63	49	66	78	6	4	5	6	35	32	33	40	12	10	12	15
other ICU	21	1	0	0	1	14	7	9	15	39	33	39	53	24	0	13	28
community	594	32	22	32	39	6	5	6	7	40	38	42	44	13	11	12	15
nursing home	58	3	1	3	3	6	5	7	9	46	41	46	50	24	0	12	30
unknown	17	1	0	0	1	7	5	7	8	36	25	46	46	0	0	0	0
Type of Admission																	
medical	1141	61	52	59	76	5	5	6	7	40	39	40	45	16	14	16	21
scheduled surgical	467	25	16	20	36	5	4	4	5	31	26	31	33	4	2	5	10
unscheduled surgical	246	13	8	10	12	6	4	5	6	38	37	43	55	11	9	14	14
unknown	16	1	0	1	1	6	5	6	10	35	27	32	41	6	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 4: Admission Characteristics (c)

	#[b]	patients %[b]				LOS p50[a]				SAPSII p50[a]				Death/DNR %[a]			
		agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75
Trauma																	
no	1501	80	86	93	94	5	5	5	6	37	34	39	41	13	10	15	15
yes	170	9	4	6	10	5	4	5	5	38	25	31	39	9	0	10	11
unknown	199	11	0	1	1	6	5	8	12	35	32	35	43	12	0	6	50
Impaired Immunity																	
no	1512	81	85	89	93	5	4	5	6	37	32	37	39	12	9	13	14
yes	162	9	5	9	11	7	6	7	9	40	37	39	46	22	19	23	37
unknown	196	10	0	1	2	4	4	8	11	33	30	30	35	10	0	0	11
Antibiotic Treatment																	
no	785	42	23	31	54	5	4	5	5	36	27	34	36	9	4	7	10
yes	1020	55	45	65	77	6	5	6	6	39	35	40	45	15	12	14	19
unknown	65	3	0	1	4	5	3	5	7	31	24	31	34	15	0	0	17

[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 5: Admission Characteristics (d)

	patients # [b]	patients % [b]			LOS p50 [a]				SAPSII p50 [a]				Death/DNR % [a]			
		agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75	agg	p25	p50	p75
Acute Coronary Care																	
no	1537	82	88	91	94	5	5	5	6	37	34	38	39	12	9	12	17
yes	123	7	2	7	8	6	5	6	6	45	35	43	49	21	0	14	25
unknown	210	11	1	2	3	5	4	5	8	39	30	35	43	12	0	0	16
Prior Surgery site																	
no	1082	58	52	56	71	5	5	6	7	40	37	40	46	17	15	16	20
coronary	93	5	0	0	0	5	4	5	57	28	25	28	44	1	0	0	1
other cardiac	67	4	0	0	3	5	4	5	10	38	29	38	84	16	6	25	100
other thoracic	59	3	1	2	4	5	4	5	6	28	19	26	34	5	0	0	2
other vascular	57	3	1	3	4	5	5	5	5	31	24	31	49	2	0	0	0
abdominal	97	5	0	4	7	9	4	7	9	41	32	34	47	11	0	13	18
neurosurgery	93	5	3	5	7	6	4	5	7	36	27	36	42	5	0	0	10
other	329	18	7	19	20	5	4	5	6	32	28	36	45	6	5	7	10
unknown	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] #=number 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	9394	466.4	279.3	285.9	432.7	518.0	629.8
patients with Intubation days	1082	49.1	31.7	35.6	43.3	68.9	70.6
central vascular catheter days	21737	787.2	623.4	743.7	804.3	879.6	966.4
patients with central vascular catheter days	2560	76.7	57.2	74.3	77.0	85.7	88.9
urinary catheter days	13431	766.0	14.3	770.7	860.8	879.6	946.7
patients with urinary catheter days	1388	74.2	1.6	75.1	85.7	87.7	95.8
naso-oro intestinal tube days	7416	422.9	67.4	228.0	296.5	594.3	625.5
patients with naso-oro intestinal tube days	931	49.8	20.7	42.9	57.4	66.4	72.6
naso-oro intestinal tube feeding days	5179	295.4	151.0	235.9	299.0	363.8	470.6
patients with naso-oro intestinal tube feeding days	431	23.0	10.0	15.1	16.3	31.7	54.8
parenteral feeding days	3290	187.6	35.5	109.4	168.4	192.4	303.5
patients with parenteral feeding days	340	18.2	5.8	10.0	13.7	20.2	30.1
invasive mechanical ventilation days	6512	371.4	0.0	317.0	342.7	438.3	463.7
patients with invasive mechanical ventilation days	736	39.4	0.0	32.4	37.1	50.0	67.9
non-invasive mechanical ventilation days	1333	76.0	0.0	55.2	66.8	91.6	106.8
patients with non-invasive mechanical ventilation days	348	18.6	0.0	13.4	17.5	22.5	26.0
tracheotomy intubation days	1945	110.9	0.0	36.0	73.1	77.4	223.9
patients with tracheotomy intubation days	88	4.7	0.0	2.1	3.4	6.0	8.3
re-intubation days	116	6.6	0.0	2.6	5.6	7.4	12.4
patients with re-intubation days	88	4.7	0.0	1.7	4.2	5.7	8.9

[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	13561	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, respiration		v	a	R	13958	0.00	0.00	0.00	37.99	100.00	100.00
sofa score, coagulation		v	a	R	13583	0.00	0.00	0.00	1.91	100.00	100.00
sofa score, cardio		v	a	R	13564	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, kidney		v	a	R	13581	0.00	0.00	0.00	0.00	100.00	100.00
sofa score, liver		v	a	R	13954	0.00	0.00	0.00	36.64	100.00	100.00
total sofa variables		v	a	O	82201	56.26	0.00	17.17	100.00	100.00	100.00

[a] l1= level 1 variable (denominator-based surveillance) ; l2= 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	2086	52.5	29.7	36.0	50.1	69.0	80.3
1	388	9.8	8.4	9.1	10.8	12.1	12.4
2	415	10.4	3.0	6.0	9.9	13.2	15.5
3	330	8.3	4.3	6.0	8.9	10.3	10.3
4	755	19.0	2.7	8.0	18.3	30.4	37.3
any	3974	22.7	31.7	41.2	50.6	50.8	50.9
scores		1.1	0.4	0.6	1.1	1.5	1.7
Respiratory score							
0	414	11.6	1.1	3.7	10.8	18.2	21.1
1	720	20.1	3.9	7.7	21.2	36.9	42.7
2	1385	38.7	22.3	22.7	31.2	43.5	47.6
3	723	20.2	11.0	12.1	17.8	32.1	41.9
4	335	9.4	1.8	2.0	6.9	21.1	30.7
any	3577	20.4	25.3	28.1	40.8	50.9	51.1
scores		1.6	1.3	1.4	1.6	2.2	2.8
Coagulation score							
0	3038	76.9	75.2	75.6	76.9	78.5	79.2
1	453	11.5	8.2	9.7	11.5	12.1	12.6
2	287	7.3	6.3	6.7	7.2	7.5	7.7
3	129	3.3	2.6	3.1	3.6	3.8	4.0
4	45	1.1	0.5	1.0	1.6	1.9	2.0
any	3952	22.5	31.7	40.4	49.9	50.8	50.9
scores		0.5	0.4	0.4	0.4	0.5	0.5
Cardiovacular score							
0	2134	53.7	31.6	39.3	58.5	74.2	78.3
1	764	19.2	2.3	5.9	14.6	31.0	42.2
2	74	1.9	0.6	0.6	2.7	5.3	5.9
3	265	6.7	0.6	2.0	5.7	12.1	16.0
4	734	18.5	3.8	7.0	11.7	22.7	32.1
any	3971	22.6	31.7	41.1	50.6	50.8	50.9
scores		1.0	0.6	0.6	0.9	1.2	1.2

[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 9: Daily SOFA score indicators

	#[a]	agg[b]	p10[b]	p25[b]	p50[b]	p75[b]	p90[b]
Renal score							
0	2641	66.8	52.0	62.1	73.0	73.9	74.1
1	519	13.1	10.9	11.4	13.2	15.7	16.9
2	353	8.9	6.8	6.9	7.9	10.0	11.2
3	120	3.0	1.5	2.0	2.7	3.6	4.3
4	321	8.1	0.7	2.7	5.0	11.7	18.0
any	3954	22.5	31.6	40.9	50.2	50.6	50.9
scores		0.8	0.4	0.4	0.5	0.9	1.2
Liver score							
0	2941	82.1	67.4	73.8	82.6	86.4	87.9
1	262	7.3	4.5	5.7	7.1	10.0	12.6
2	244	6.8	2.5	3.7	6.7	12.2	16.0
3	107	3.0	2.3	2.8	3.6	4.3	4.5
4	27	0.8	0.0	0.3	0.6	0.8	1.0
any	3581	20.4	22.9	27.3	41.2	50.8	50.9
scores		0.2	0.2	0.2	0.3	0.4	0.4
Total score							
0/1	357	10.7	0.7	4.0	8.6	21.5	33.0
2	505	15.1	0.0	6.5	13.8	17.5	20.3
3/4	696	20.8	2.2	10.9	20.4	22.1	23.1
5/6	562	16.8	5.8	8.0	13.5	18.5	20.1
7/max	1222	36.6	22.5	24.6	34.2	66.5	91.3
any	3342	19.1	9.7	20.4	40.6	50.5	50.9
scores		5.4	3.7	4.2	5.0	7.7	10.2

[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		
patients with AB use	1126	67	169	220	228	442	11865	669	1288	1920	2838	5150		
units with AB use	1356	73	190	284	290	519	13184	697	1395	2284	3306	5502		

[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
Total AB days	12753								967	841	860	887	1066	1270
AB days with SDD use	0	0	0	0	0	0	0		0	0	0	0	0	0
AB days with Profylactic use	1053	8	1	1	5	11	21		80	8	10	41	121	186
AB days with Empirical use	7584	59	33	50	53	64	70		575	295	420	599	670	684
AB days with Microorganism known	678	5	0	0	7	9	9		51	0	0	76	80	110
AB days with Antibiogram known	3438	27	17	29	36	38	46		261	184	253	300	406	479

[a] #=number of Antibotic 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				12753	0	1053	7584	678	3438
J01A	TETRACYCLINES	10	181	90	0	3	72	0	15
J01AA	Tetracyclines	10	181	90	0	3	72	0	15
J01AA07	Tetracycline	9	178	87	0	3	69	0	15
J01C	PENICILLINS	686	8892	4866	0	133	3633	134	966
J01CA	Penicillins extended spectrum	79	1513	414	0	2	213	5	194
J01CA01	Ampicillin	17	196	73	0	0	40	5	28
J01CA04	Amoxicillin	12	210	67	0	0	45	0	22
J01CA12	Piperacillin	22	336	114	0	0	106	0	8
J01CA15	Talampicillin	1	6	2	0	0	0	0	2
J01CA17	Temocillin	31	858	158	0	2	22	0	134
J01CE	Beta-lactamase sens. penicillins	1	7	7	0	0	7	0	0
J01CE08	Benzathine benzylpenicillin	1	7	7	0	0	7	0	0
J01CF	SS-lactamase resist. penicillins	49	888	335	0	0	35	28	272
J01CF04	Oxacillin	27	642	220	0	0	14	20	186
J01CF05	Flucloxacillin	22	246	115	0	0	21	8	86
J01CG	SS-lactamase inhibitors	75	756	342	0	8	271	15	48
J01CG02	Tazobactam	75	756	342	0	8	271	15	48
J01CR	SS-lactam + SS-lactamase inhibitor	551	7358	3740	0	123	3097	86	434
J01CR02	Amoxicillin + clavulanic acid	387	4653	2003	0	118	1654	31	200
J01CR05	Piperacilline + Tazobactam	238	4394	1737	0	5	1443	55	234
J01D	OTH. SS-LACTAM AB,INCL.CEPHALOSP.	615	7230	3678	0	770	1658	100	1150
J01DA	Cephalosporins	533	5806	2560	0	752	1042	55	711
J01DA04	Cefazolin	187	1482	424	0	388	17	0	19
J01DA06	Cefuroxime	90	799	404	0	95	158	6	145
J01DA09	Cefadroxil	1	17	6	0	0	0	0	6
J01DA10	Cefotaxime	11	84	44	0	0	19	12	13
J01DA11	Ceftazidime	88	2006	521	0	7	198	14	302
J01DA13	Ceftriaxone	190	2612	1027	0	260	581	22	164
J01DA15	Cefazedone	1	6	2	0	2	0	0	0
J01DA16	Cefmenoxime	1	26	10	0	0	0	0	10
J01DA24	Cefepime	14	283	122	0	0	69	1	52
J01DF	Monobactams	14	571	92	0	3	73	0	16
J01DF01	Aztreonam	14	571	92	0	3	73	0	16
J01DH	Carbapenems	117	3020	1026	0	15	543	45	423
J01DH02	Meropenem	117	3020	1026	0	15	543	45	423

[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	19	539	174	0	6	84	13	71
J01EA	Trimethoprim	10	218	85	0	0	49	2	34
J01EA01	Trimethoprim	10	218	85	0	0	49	2	34
J01EE	Sulfonamides + trimethoprim + deriv	9	321	89	0	6	35	11	37
J01EE01	Sulfamethoxazole+T.(cotrimoxaz.)	6	251	70	0	6	25	5	34
J01EE02	Sulfadiazine + trimethoprim	2	59	13	0	0	4	6	3
J01EE05	Sulfadimidine + trimethoprim	1	11	6	0	0	6	0	0
J01F	MACROLIDES AND LINCOSAMIDES	84	939	428	0	36	296	29	67
J01FA	Macrolides + Synergistins	49	552	254	0	0	206	29	19
J01FA09	Clarithromycin	49	552	254	0	0	206	29	19
J01FF	Lincosamides	37	426	174	0	36	90	0	48
J01FF01	Clindamycin	37	426	174	0	36	90	0	48
J01G	AMINOGLYCOSIDE ANTIBACTERIALS	139	2695	497	0	0	387	1	109
J01GB	Aminoglycosides other than strep	139	2695	497	0	0	387	1	109
J01GB01	Tobramycin	1	3	2	0	0	2	0	0
J01GB03	Gentamicin	11	369	98	0	0	57	0	41
J01GB06	Amikacin	128	2443	397	0	0	328	1	68
J01M	QUINOLONE ANTIBACTERIALS	117	2574	699	0	32	368	29	270
J01MA	Fluoroquinolones	117	2574	699	0	32	368	29	270
J01MA02	Ciprofloxacin	64	1556	381	0	30	152	10	189
J01MA12	Levofloxacin	27	796	189	0	2	95	11	81
J01MA14	Moxifloxacin	28	451	129	0	0	121	8	0

[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	134	3400	1251	0	13	609	72	557
J01XA	Glycopeptide antibacterials	120	3040	972	0	7	563	72	330
J01XA01	Vancomycin	120	3040	972	0	7	563	72	330
J01XB	Polymyxins	11	462	223	0	0	42	0	181
J01XB01	Colistin	9	327	137	0	0	14	0	123
J01XB02	Polymyxin B	2	135	86	0	0	28	0	58
J01XD	Imidazole derivatives	3	13	8	0	6	2	0	0
J01XD01	Metronidazole	3	13	8	0	6	2	0	0
J01XX08	Linezolid	6	166	48	0	0	2	0	46
J02A	ANTIMYCOTICS FOR SYSTEMIC USE	54	1522	504	0	0	260	189	55
J02AA	Antifungal antibiotics	1	7	4	0	0	0	4	0
J02AC	Triazole derivative antimycotics	46	1302	423	0	0	221	159	43
J02AC01	Fluconazole	45	1293	414	0	0	221	150	43
J02AC02	Itraconazole	1	9	9	0	0	0	9	0
J02AX	Other systemic antimycotics	8	408	52	0	0	39	11	2
J02AX04	Caspofungin	8	408	52	0	0	39	11	2
J04A	TREATMENT OF TUBERCULOSIS	5	83	44	0	0	2	0	42
J04AB	Antimycobacterial antibiotics	5	83	44	0	0	2	0	42
J04AB02	Rifampicin	5	83	44	0	0	2	0	42

[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]						incd[b]						#[b]	incd[b]					
	agg	agg	agg	agg	agg	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90
Age																								
≤40	122	6.5	1054	6.0	4	3.3	0.0	0.0	0.0	5.1	11.1	3.8	0.0	0.0	0.0	5.7	18.2	2	5.0	0.0	0.0	0.0	5.8	24.4
40-59	408	21.8	4284	24.4	14	3.4	0.0	1.4	6.1	6.7	11.8	3.3	0.0	0.9	5.4	7.1	12.5	13	5.5	0.0	1.5	10.6	11.8	58.8
60-69	447	23.9	4399	25.1	17	3.8	0.0	1.3	1.9	9.3	11.8	3.9	0.0	1.4	1.8	10.6	16.1	8	4.1	0.0	0.0	5.7	11.1	16.7
70-74	245	13.1	2213	12.6	10	4.1	0.0	2.6	5.0	6.0	16.7	4.5	0.0	2.1	5.6	5.8	22.7	7	9.7	0.0	6.5	7.9	20.0	250.0
75-79	259	13.9	2371	13.5	6	2.3	0.0	0.0	2.3	3.8	14.3	2.5	0.0	0.0	2.1	4.7	12.8	4	4.6	0.0	0.0	0.0	8.2	10.3
≥ 80	389	20.8	3214	18.3	13	3.3	0.0	1.7	4.2	7.5	20.0	4.0	0.0	1.9	5.7	12.3	19.2	10	8.7	0.0	4.6	14.1	17.5	90.9
unknown	0	0.0	0	0.0	0													0						
Gender																								
female	715	38.2	6447	36.8	23	3.2	0.0	3.3	4.0	5.0	9.7	3.6	0.0	2.8	5.5	7.1	10.5	17	6.5	0.0	4.6	6.7	15.3	64.5
male	1155	61.8	11088	63.2	41	3.5	1.1	2.5	5.9	7.1	8.9	3.7	1.1	2.1	7.3	8.2	11.1	27	5.6	0.0	4.1	9.4	16.0	46.5
unknown	0	0.0	0	0.0	0													0						
SAPSII score																								
≤ 10	22	1.2	167	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
10-19	132	7.1	744	4.2	1	0.8	0.0	0.0	0.0	0.0	3.4	1.3	0.0	0.0	0.0	0.0	4.5	1	11.6	0.0	0.0	0.0	0.0	34.5
20-29	298	15.9	2088	11.9	5	1.7	0.0	0.0	0.0	0.0	11.1	2.4	0.0	0.0	0.0	0.0	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0
30-39	347	18.6	2933	16.7	10	2.9	0.0	0.0	1.4	3.5	8.5	3.4	0.0	0.0	1.3	3.6	12.9	6	7.0	0.0	0.0	0.0	4.8	52.6
40-49	232	12.4	2279	13.0	5	2.2	0.0	0.0	0.0	4.5	10.0	2.2	0.0	0.0	0.0	3.7	10.5	4	4.4	0.0	0.0	0.0	6.0	11.1
50-59	159	8.5	2190	12.5	11	6.9	0.0	0.0	6.5	11.1	23.1	5.0	0.0	0.0	5.3	16.4	20.4	9	6.9	0.0	0.0	10.6	16.1	90.9
≥ 60	203	10.9	3444	19.6	22	10.8	0.0	9.1	16.7	17.6	66.7	6.4	0.0	5.3	10.6	11.6	30.3	19	7.8	0.0	9.0	11.0	14.3	57.1
unknown	477	25.5	3690	21.0	10	2.1	0.0	0.0	0.2	3.4	4.8	2.7	0.0	0.0	0.2	3.8	6.7	5	3.8	0.0	0.0	0.7	7.6	7.7

[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 16: Pneumonia and Admission Exposure (b)

	pats[a]		patdays[a]		NP[a]													IAP[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
APACHE score																								
< 10	37	2.0	161	0.9	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
10-19	92	4.9	558	3.2	1	1.1	0.0	0.0	3.3	6.7	6.7	1.8	0.0	0.0	4.8	9.6	9.6	1	8.3	0.0	0.0	8.5	16.9	16.9
20-29	113	6.0	1669	9.5	3	2.7	0.0	0.0	1.4	2.7	2.7	1.8	0.0	0.0	0.9	1.8	1.8	2	1.9	0.0	0.0	1.0	1.9	1.9
30-39	53	2.8	1062	6.1	2	3.8	1.9	1.9	51.0	100.0	100.0	1.9	1.0	1.0	9.0	16.9	16.9	2	2.7	1.5	1.5	9.2	16.9	16.9
40-49	16	0.9	349	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
50-59	0	0.0	0	0.0	0													0						
≥ 60	1	0.1	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
unknown	1558	83.3	13732	78.3	58	3.7	0.4	2.8	4.7	6.2	8.2	4.2	0.5	2.9	4.9	8.0	9.2	39	7.6	1.3	5.3	8.2	10.8	54.1
Patient Origin																								
other service	1180	63.1	11080	63.2	35	3.0	1.4	2.1	3.4	5.4	8.1	3.2	1.3	2.6	3.9	7.1	8.4	23	5.0	2.0	5.0	6.8	10.8	45.5
other ICU	21	1.1	309	1.8	1	4.8	0.0	0.0	0.0	25.0	50.0	3.2	0.0	0.0	0.0	13.2	26.3	1	6.7	0.0	0.0	0.0	38.5	38.5
community	594	31.8	5582	31.8	26	4.4	0.0	5.7	7.0	8.8	14.3	4.7	0.0	4.8	6.1	11.8	16.7	19	7.5	0.0	8.3	10.5	14.9	142.9
nursing home	58	3.1	439	2.5	2	3.4	0.0	0.0	0.0	2.0	7.7	4.6	0.0	0.0	0.0	3.0	11.6	1	9.0	0.0	0.0	0.0	0.0	29.4
unknown	17	0.9	125	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
Type of Admission																								
medical	1141	61.0	11243	64.1	40	3.5	0.3	3.4	4.4	7.4	8.2	3.6	0.3	2.8	3.7	7.8	11.3	25	5.2	0.6	4.5	6.6	11.0	35.7
scheduled surgical	467	25.0	3109	17.7	11	2.4	0.0	0.0	0.0	2.9	7.1	3.5	0.0	0.0	0.0	3.5	9.8	8	8.4	0.0	0.0	0.0	13.5	14.6
unscheduled surgical	246	13.2	3067	17.5	13	5.3	0.0	0.0	7.1	9.1	22.2	4.2	0.0	0.0	7.1	13.7	16.8	11	6.5	0.0	0.0	2.7	20.8	133.3
unknown	16	0.9	116	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

[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; IAP incd = # NP / 1000 patientdays; NP incd = # NP / 1000 intubation days (before 1st NP); IUR=Intubation Utilization Rate, intubation days / 1000 patientdays

Table 17: Pneumonia and Admission Exposure (c)

| | pats[a] | | patdays[a] | | NP[a] | | | | | | | | | | | | | IAP[a] | | | | | | |
| | #[b] | %[b] | #[b] | %[b] | #[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	agg	p10	p25	p50	p75	p90
Trauma																								
no	1501	80.3	13880	79.2	46	3.1	0.7	2.6	3.8	6.1	7.7	3.3	0.7	3.1	3.9	7.2	9.7	32	5.6	1.0	6.1	7.5	13.8	32.8
yes	170	9.1	2174	12.4	7	4.1	0.0	0.0	2.3	14.3	28.6	3.2	0.0	0.0	1.7	14.1	23.0	6	5.3	0.0	0.0	1.4	26.1	153.8
unknown	199	10.6	1481	8.4	11	5.5	0.0	0.0	0.0	0.0	5.9	7.4	0.0	0.0	0.0	0.0	8.0	6	10.1	0.0	0.0	0.0	5.4	10.9
Impaired Immunity																								
no	1512	80.9	14193	80.9	50	3.3	0.0	2.7	3.8	6.2	7.1	3.5	0.0	3.0	4.5	6.8	9.2	36	6.1	1.6	6.9	9.0	13.0	61.2
yes	162	8.7	1889	10.8	3	1.9	0.0	0.0	0.0	2.3	25.0	1.6	0.0	0.0	0.0	2.7	19.0	2	2.2	0.0	0.0	0.0	9.4	40.0
unknown	196	10.5	1453	8.3	11	5.6	0.0	0.0	0.0	0.0	6.1	7.6	0.0	0.0	0.0	0.0	8.4	6	10.1	0.0	0.0	0.0	0.0	11.3
Antibiotic Treatment																								
no	785	42.0	6356	36.2	19	2.4	0.0	0.0	2.6	4.2	11.1	3.0	0.0	0.0	3.5	3.6	14.9	15	6.9	0.0	0.0	7.1	11.8	100.0
yes	1020	54.5	10634	60.6	42	4.1	0.0	2.3	5.0	7.5	9.6	3.9	0.0	2.6	4.9	8.2	10.7	27	5.3	0.0	6.1	7.8	11.4	46.9
unknown	65	3.5	545	3.1	3	4.6	0.0	0.0	0.0	0.0	7.1	5.5	0.0	0.0	0.0	0.0	7.2	2	8.6	0.0	0.0	0.0	9.7	9.7

[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]					
	agg	agg	agg	agg	agg	agg	p10	p25	p50	p75	p90	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90
Acute Coronary Care																								
no	1537	82.2	14781	84.3	49	3.2	0.6	2.7	3.9	7.1	9.4	3.3	0.6	2.9	4.4	8.9	9.6	35	5.7	1.2	5.5	9.0	13.6	59.7
yes	123	6.6	1276	7.3	5	4.1	0.0	0.0	0.0	4.9	25.0	3.9	0.0	0.0	0.0	4.3	15.6	4	5.6	0.0	0.0	0.0	5.1	20.8
unknown	210	11.2	1478	8.4	10	4.8	0.0	0.0	0.0	0.0	5.4	6.8	0.0	0.0	0.0	0.0	7.5	5	9.0	0.0	0.0	0.0	0.0	9.8
Prior Surgery site																								
no	1082	57.9	10591	60.4	38	3.5	0.4	3.4	4.0	7.7	8.6	3.6	0.4	2.6	3.6	8.0	11.7	23	5.1	0.7	4.8	5.9	9.5	37.0
coronary	93	5.0	554	3.2	1	1.1	0.0	0.0	0.0	1.2	2.4	1.8	0.0	0.0	0.0	2.1	4.2	1	3.0	0.0	0.0	0.0	6.4	6.4
other cardiac	67	3.6	527	3.0	6	9.0	0.0	0.0	6.3	10.6	10.6	11.4	0.0	0.0	7.3	14.4	14.4	4	14.8	0.0	0.0	10.1	21.7	21.7
other thoracic	59	3.2	397	2.3	1	1.7	0.0	0.0	0.0	0.0	20.0	2.5	0.0	0.0	0.0	0.0	19.2	1	20.8	0.0	0.0	0.0	0.0	55.6
other vascular	57	3.0	335	1.9	1	1.8	0.0	0.0	0.0	0.0	11.1	3.0	0.0	0.0	0.0	0.0	16.7	0	0.0	0.0	0.0	0.0	0.0	0.0
abdominal	97	5.2	1774	10.1	5	5.2	0.0	0.0	0.0	16.7	40.0	2.8	0.0	0.0	0.0	15.2	25.0	5	4.3	0.0	0.0	1.2	20.4	153.8
neurosurgery	93	5.0	871	5.0	6	6.5	0.0	0.0	0.0	6.7	16.7	6.9	0.0	0.0	0.0	6.3	19.6	6	16.5	0.0	0.0	6.0	28.1	111.1
other	329	17.6	2657	15.2	8	2.4	0.0	0.0	1.1	5.0	10.3	3.0	0.0	0.0	1.3	6.4	11.1	6	7.4	0.0	0.0	0.0	6.3	22.7
unknown	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 19: Bloodstream Infection and Admission Exposure (a)

	pats[a]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Age																								
≤ 40	122	6.5	1054	6.0	2	1.6	0.0	0.0	0.0	2.8	25.0	1.9	0.0	0.0	0.0	4.5	10.2	2	2.8	0.0	0.0	0.0	6.0	16.4
40-59	408	21.8	4284	24.4	7	1.7	0.0	0.0	0.0	2.1	11.8	1.6	0.0	0.0	0.0	3.4	12.5	5	1.4	0.0	0.0	0.0	1.1	14.5
60-69	447	23.9	4399	25.1	10	2.2	0.0	0.0	1.9	2.8	5.9	2.3	0.0	0.0	2.2	3.5	8.1	7	2.0	0.0	0.0	1.6	2.7	10.4
70-74	245	13.1	2213	12.6	8	3.3	0.0	0.0	3.6	5.0	12.5	3.6	0.0	0.0	3.7	5.6	16.4	7	4.3	0.0	0.0	4.8	7.0	9.2
75-79	259	13.9	2371	13.5	5	1.9	0.0	0.0	0.0	2.8	7.7	2.1	0.0	0.0	0.0	3.2	9.3	4	2.2	0.0	0.0	0.0	0.0	10.0
≥ 80	389	20.8	3214	18.3	3	0.8	0.0	0.0	0.0	1.1	4.8	0.9	0.0	0.0	0.0	1.0	4.3	3	1.2	0.0	0.0	0.0	1.2	5.7
unknown	0	0.0	0	0.0	0													0						
Gender																								
female	715	38.2	6447	36.8	9	1.3	0.0	0.0	1.0	2.0	10.3	1.4	0.0	0.0	1.1	2.4	10.0	7	1.4	0.0	0.0	0.7	4.0	7.3
male	1155	61.8	11088	63.2	26	2.3	0.0	1.6	2.2	3.6	4.8	2.3	0.0	1.4	2.8	3.6	6.2	21	2.4	0.0	1.3	2.7	4.6	6.1
unknown	0	0.0	0	0.0	0													0						
SAPSII score																								
≤ 10	22	1.2	167	1.0	1	4.5	0.0	0.0	0.0	0.0	50.0	6.0	0.0	0.0	0.0	0.0	18.2	1	9.9	0.0	0.0	0.0	0.0	24.4
10-19	132	7.1	744	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
20-29	298	15.9	2088	11.9	4	1.3	0.0	0.0	0.0	1.6	8.3	1.9	0.0	0.0	0.0	2.8	13.3	4	2.7	0.0	0.0	0.0	3.8	23.8
30-39	347	18.6	2933	16.7	6	1.7	0.0	0.0	0.0	3.1	7.7	2.0	0.0	0.0	0.0	4.4	13.9	5	2.4	0.0	0.0	0.0	4.2	10.3
40-49	232	12.4	2279	13.0	2	0.9	0.0	0.0	0.0	0.0	7.7	0.9	0.0	0.0	0.0	0.0	5.3	1	0.5	0.0	0.0	0.0	0.0	5.5
50-59	159	8.5	2190	12.5	6	3.8	0.0	0.0	0.0	3.2	15.4	2.7	0.0	0.0	0.0	2.0	10.9	4	2.0	0.0	0.0	0.0	1.6	7.5
≥ 60	203	10.9	3444	19.6	12	5.9	0.0	3.5	5.9	16.7	22.2	3.5	0.0	2.3	3.9	7.6	16.5	9	2.8	0.0	0.0	2.3	6.3	16.5
unknown	477	25.5	3690	21.0	4	0.8	0.0	0.0	0.0	0.8	1.4	1.1	0.0	0.0	0.0	1.0	1.9	4	1.6	0.0	0.0	0.0	1.4	3.2

[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 20: Bloodstream Infection and Admission Exposure (b)

	pats[a]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
APACHE score																								
< 10	37	2.0	161	0.9	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
10-19	92	4.9	558	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
20-29	113	6.0	1669	9.5	5	4.4	3.6	3.6	18.5	33.3	33.3	3.0	2.4	2.4	29.0	55.6	55.6	3	2.0	1.4	1.4	28.5	55.6	55.6
30-39	53	2.8	1062	6.1	1	1.9	0.0	0.0	1.0	1.9	1.9	0.9	0.0	0.0	0.5	1.0	1.0	1	1.0	0.0	0.0	0.5	1.1	1.1
40-49	16	0.9	349	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
50-59	0	0.0	0	0.0	0													0						
≥ 60	1	0.1	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
unknown	1558	83.3	13732	78.3	29	1.9	0.7	1.4	2.0	2.9	4.1	2.1	0.6	1.8	2.2	3.1	4.3	24	2.3	0.8	1.5	2.3	3.3	5.3
Patient Origin																								
other service	1180	63.1	11080	63.2	23	1.9	0.0	1.4	2.7	3.0	3.4	2.1	0.0	1.6	3.0	3.9	4.4	18	1.9	0.0	1.5	2.8	3.0	3.9
other ICU	21	1.1	309	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	594	31.8	5582	31.8	11	1.9	0.0	0.0	2.7	2.9	14.3	2.0	0.0	0.0	1.9	4.0	16.7	9	2.4	0.0	0.0	0.0	6.0	21.3
nursing home	58	3.1	439	2.5	1	1.7	0.0	0.0	0.0	0.0	7.7	2.3	0.0	0.0	0.0	0.0	11.6	1	4.0	0.0	0.0	0.0	0.0	22.7
unknown	17	0.9	125	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
Type of Admission																								
medical	1141	61.0	11243	64.1	23	2.0	0.0	1.4	2.0	2.7	5.9	2.0	0.0	1.3	2.6	3.3	5.6	17	2.1	0.0	0.9	2.3	3.4	5.8
scheduled surgical	467	25.0	3109	17.7	6	1.3	0.0	0.0	0.0	1.7	5.6	1.9	0.0	0.0	0.0	3.2	7.9	5	1.8	0.0	0.0	0.0	2.8	5.4
unscheduled surgical	246	13.2	3067	17.5	6	2.4	0.0	0.0	0.0	3.4	22.2	2.0	0.0	0.0	0.0	2.5	16.8	6	2.3	0.0	0.0	0.0	2.9	18.0
unknown	16	0.9	116	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

[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 21: Bloodstream Infection and Admission Exposure (c)

	pats[a] #[b] agg	pats[a] %[b] agg	patdays[a] #[b] agg	patdays[a] %[b] agg	NB[a] #[b] agg	NB[a] %[b] agg	NB[a] %[b] p10	NB[a] %[b] p25	NB[a] %[b] p50	NB[a] %[b] p75	NB[a] %[b] p90	NB[a] incd[b] agg	NB[a] incd[b] p10	NB[a] incd[b] p25	NB[a] incd[b] p50	NB[a] incd[b] p75	NB[a] incd[b] p90	CAB[a] #[b] agg	CAB[a] incd[b] agg	CAB[a] incd[b] p10	CAB[a] incd[b] p25	CAB[a] incd[b] p50	CAB[a] incd[b] p75	CAB[a] incd[b] p90
Trauma																								
no	1501	80.3	13880	79.2	23	1.5	0.0	1.3	1.5	2.3	2.7	1.7	0.0	1.5	1.8	2.7	3.3	18	1.7	0.0	1.2	1.8	2.3	5.4
yes	170	9.1	2174	12.4	6	3.5	0.0	0.0	0.0	5.4	28.6	2.8	0.0	0.0	0.0	3.2	23.0	6	3.7	0.0	0.0	0.0	4.5	26.7
unknown	199	10.6	1481	8.4	6	3.0	0.0	0.0	0.0	0.0	3.2	4.1	0.0	0.0	0.0	0.0	4.4	4	3.1	0.0	0.0	0.0	1.6	3.3
Impaired Immunity																								
no	1512	80.9	14193	80.9	25	1.7	0.0	1.0	2.0	2.3	3.1	1.8	0.0	1.0	2.3	2.9	3.4	20	1.8	0.0	0.9	2.3	2.6	5.2
yes	162	8.7	1889	10.8	4	2.5	0.0	0.0	0.0	5.4	12.5	2.1	0.0	0.0	0.0	4.2	9.5	4	2.7	0.0	0.0	0.0	5.5	10.3
unknown	196	10.5	1453	8.3	6	3.1	0.0	0.0	0.0	0.0	3.3	4.1	0.0	0.0	0.0	0.0	4.6	4	3.1	0.0	0.0	0.0	0.0	3.4
Antibiotic Treatment																								
no	785	42.0	6356	36.2	11	1.4	0.0	0.0	0.8	2.6	5.0	1.7	0.0	0.0	0.9	3.5	7.5	9	2.0	0.0	0.0	1.0	4.4	10.8
yes	1020	54.5	10634	60.6	21	2.1	0.0	1.9	2.3	2.5	3.8	2.0	0.0	2.1	2.6	2.8	3.6	17	2.0	0.0	2.0	2.6	2.7	4.0
unknown	65	3.5	545	3.1	3	4.6	0.0	0.0	0.0	0.0	7.1	5.5	0.0	0.0	0.0	0.0	7.2	2	4.7	0.0	0.0	0.0	0.0	5.7

[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 22: Bloodstream Infection and Admission Exposure (d)

	pats[a]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Acute Coronary Care																								
no	1537	82.2	14781	84.3	25	1.6	0.7	1.4	1.7	2.4	4.7	1.7	0.6	1.5	2.1	2.9	4.8	20	1.8	0.8	1.1	2.4	3.3	5.5
yes	123	6.6	1276	7.3	5	4.1	0.0	0.0	0.0	3.8	25.0	3.9	0.0	0.0	0.0	3.2	15.6	4	3.7	0.0	0.0	0.0	2.5	19.4
unknown	210	11.2	1478	8.4	5	2.4	0.0	0.0	0.0	0.0	2.7	3.4	0.0	0.0	0.0	0.0	3.8	4	3.1	0.0	0.0	0.0	0.0	3.4
Prior Surgery site																								
no	1082	57.9	10591	60.4	23	2.1	0.0	1.5	2.1	2.9	6.9	2.2	0.0	1.5	2.7	3.5	6.3	17	2.2	0.0	1.0	2.5	3.9	6.4
coronary	93	5.0	554	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
other cardiac	67	3.6	527	3.0	3	4.5	0.0	0.0	4.3	6.3	6.3	5.7	0.0	0.0	5.7	7.3	7.3	3	5.2	0.0	0.0	5.1	5.9	5.9
other thoracic	59	3.2	397	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
other vascular	57	3.0	335	1.9	1	1.8	0.0	0.0	0.0	0.0	16.7	3.0	0.0	0.0	0.0	0.0	15.4	1	4.2	0.0	0.0	0.0	0.0	16.9
abdominal	97	5.2	1774	10.1	5	5.2	0.0	0.0	0.0	5.9	40.0	2.8	0.0	0.0	0.0	2.9	25.0	5	3.2	0.0	0.0	0.9	3.5	27.8
neurosurgery	93	5.0	871	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
other	329	17.6	2657	15.2	3	0.9	0.0	0.0	0.0	0.0	6.9	1.1	0.0	0.0	0.0	0.0	7.4	2	0.9	0.0	0.0	0.0	0.0	4.1
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

[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 23: Pneumonia and Invasive Device Exposure (a)

	pats[a]		patdays[a]		NP[a]													IAP[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Intubation																								
0	1123	60.1	9183	52.4	3	0.3	0.0	0.0	0.0	0.8	1.9	0.3	0.0	0.0	0.0	1.3	2.2	0	0.0	0.0	0.0	0.0	0.0	0.0
1	405	21.7	2792	15.9	21	5.2	2.9	3.1	5.5	6.7	16.7	7.5	3.5	4.8	8.8	9.9	22.5	15	13.5	0.0	8.1	12.7	20.0	31.9
2/3	163	8.7	1560	8.9	17	10.4	0.0	0.0	3.4	11.1	75.0	10.9	0.0	0.0	3.6	10.6	75.0	12	12.3	0.0	0.0	6.4	18.2	107.1
4/6	91	4.9	1549	8.8	11	12.1	0.0	2.8	11.3	32.5	40.0	7.1	0.0	1.9	6.1	14.9	26.7	8	7.9	0.0	0.0	7.4	14.0	35.7
>=7	88	4.7	2451	14.0	12	13.6	0.0	5.6	22.2	33.3	100.0	4.9	0.0	1.8	8.3	9.6	22.7	9	4.4	0.0	0.0	5.1	12.3	43.5
Central Vascular Catheter																								
0	580	31.0	5916	33.7	2	0.3	0.0	0.0	0.0	0.0	1.5	0.3	0.0	0.0	0.0	0.0	2.3	1	0.4	0.0	0.0	0.0	0.0	6.5
1	263	14.1	1191	6.8	14	5.3	0.0	1.1	5.0	14.3	50.0	11.8	0.0	3.0	11.0	21.7	100.0	13	28.6	0.0	5.6	24.1	51.6	76.9
2/3	640	34.2	3891	22.2	21	3.3	0.0	1.2	2.1	6.3	14.3	5.4	0.0	2.0	3.7	10.5	22.5	13	11.4	0.0	6.7	9.3	16.9	83.3
4/6	205	11.0	2334	13.3	13	6.3	0.0	2.1	5.8	14.3	33.3	5.6	0.0	2.0	5.1	10.2	27.0	8	8.8	0.0	0.0	5.7	13.9	44.4
>=7	182	9.7	4203	24.0	14	7.7	0.0	4.1	8.0	16.7	27.3	3.3	0.0	1.8	3.6	6.3	11.5	9	3.6	0.0	0.0	4.6	8.7	43.5
Urinary Catheter																								
0	584	31.2	6112	34.9	11	1.9	0.0	0.0	0.0	0.0	5.9	1.8	0.0	0.0	0.0	0.0	8.0	6	2.1	0.0	0.0	0.0	0.0	10.9
1	248	13.3	1161	6.6	13	5.2	0.0	0.9	5.6	15.8	100.0	11.2	0.0	2.2	10.5	25.6	125.0	10	29.9	0.0	0.0	11.9	55.6	62.5
2/3	645	34.5	3857	22.0	17	2.6	0.0	0.9	2.4	7.4	10.0	4.4	0.0	1.5	4.2	11.1	16.7	14	13.8	0.0	7.0	13.3	20.8	83.3
4/6	215	11.5	2366	13.5	11	5.1	0.0	0.0	3.8	16.7	28.6	4.6	0.0	0.0	3.7	9.3	23.3	7	8.1	0.0	0.0	0.0	10.2	35.1
>=7	178	9.5	4039	23.0	12	6.7	0.0	3.4	9.3	14.6	16.7	3.0	0.0	1.5	4.4	6.2	6.6	7	2.9	0.0	0.0	3.1	8.3	43.5

[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 24: Pneumonia and Invasive Device Exposure (b)

| | pats[a] | | patdays[a] | | NP[a] | | | | | | | | | | | | | | IAP[a] | | | | | | |
| | #[b] | %[b] | #[b] | %[b] | #[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	agg	p10	p25	p50	p75	p90
Naso Oro Intestinal Tube without feeding																								
0	1024	54.8	9049	51.6	8	0.8	0.0	0.0	0.8	1.5	4.9	0.9	0.0	0.0	0.8	1.9	7.7	4	1.4	0.0	0.0	0.0	3.0	26.3
1	447	23.9	3372	19.2	31	6.9	2.6	5.5	7.7	9.5	33.3	9.2	3.5	8.1	10.3	14.1	55.6	23	14.4	0.0	12.5	14.2	16.6	38.5
2/3	242	12.9	2038	11.6	13	5.4	0.0	0.0	7.1	10.0	25.0	6.4	0.0	0.0	5.5	15.6	23.3	9	9.5	0.0	0.0	4.6	17.7	88.2
4/6	81	4.3	1135	6.5	8	9.9	0.0	0.0	5.3	22.2	33.3	7.0	0.0	0.0	4.0	11.5	21.7	6	9.8	0.0	0.0	0.0	12.7	32.3
>=7	76	4.1	1941	11.1	4	5.3	0.0	0.0	0.0	4.8	33.3	2.1	0.0	0.0	0.0	1.9	11.2	2	1.5	0.0	0.0	0.0	1.8	43.5
Naso Oro Intestinal Tube with feeding																								
0	1530	81.8	12436	70.9	29	1.9	0.0	1.0	2.4	3.2	6.3	2.3	0.0	1.5	4.1	5.0	8.7	20	4.7	0.0	0.9	7.6	10.6	18.0
1	92	4.9	999	5.7	13	14.1	0.0	4.8	9.1	33.3	36.4	13.0	0.0	4.7	8.7	16.2	47.6	7	14.3	0.0	0.0	10.9	18.2	133.3
2/3	111	5.9	1156	6.6	6	5.4	0.0	0.0	5.9	7.1	50.0	5.2	0.0	0.0	4.1	8.0	35.7	6	8.7	0.0	0.0	7.2	17.5	45.5
4/6	77	4.1	1169	6.7	7	9.1	0.0	0.0	5.9	22.2	50.0	6.0	0.0	0.0	3.6	14.6	40.0	4	6.0	0.0	0.0	0.0	8.4	47.6
>=7	60	3.2	1775	10.1	9	15.0	0.0	0.0	9.1	16.7	75.0	5.1	0.0	0.0	3.1	4.7	20.4	7	5.4	0.0	0.0	4.4	5.5	43.5
Parenteral Nutrition																								
0	1599	85.5	13593	77.5	48	3.0	0.2	2.7	3.3	6.0	8.7	3.5	0.2	2.8	5.3	8.3	9.5	34	6.5	0.5	7.5	8.8	11.4	54.8
1	86	4.6	825	4.7	4	4.7	0.0	0.0	0.0	0.0	18.2	4.8	0.0	0.0	0.0	0.0	12.5	3	7.2	0.0	0.0	0.0	10.9	12.5
2/3	106	5.7	1269	7.2	6	5.7	0.0	0.0	2.5	8.3	33.3	4.7	0.0	0.0	2.3	5.5	17.4	5	8.2	0.0	0.0	6.5	14.4	27.8
4/6	43	2.3	736	4.2	4	9.3	0.0	0.0	0.0	33.3	100.0	5.4	0.0	0.0	0.0	9.6	47.6	2	4.9	0.0	0.0	0.0	4.8	62.5
>=7	36	1.9	1112	6.3	2	5.6	0.0	0.0	0.0	7.1	8.3	1.8	0.0	0.0	0.0	2.2	2.8	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 patients; IAP incd = # 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 #	pats^a %	patdays^a #	patdays^a %	NP^a #	NP % agg	NP % p10	NP % p25	NP % p50	NP % p75	NP % p90	NP incd agg	incd p10	incd p25	incd p50	incd p75	incd p90	IAP^a #	IAP incd agg	incd p10	incd p25	incd p50	incd p75	incd p90
Invasive Mechanical Ventilation																								
0	1219	65.2	10043	57.3	9	0.7	0.0	0.0	0.8	1.9	3.4	0.9	0.0	0.0	1.4	2.1	3.9	5	1.7	0.0	0.0	0.0	0.0	11.6
1	338	18.1	2458	14.0	18	5.3	2.8	3.1	5.9	10.1	18.2	7.3	3.5	4.1	8.7	13.0	23.8	12	13.2	0.0	4.2	12.4	21.5	31.9
2/3	148	7.9	1411	8.0	16	10.8	0.0	1.3	4.4	24.8	50.0	11.3	0.0	1.5	4.6	23.7	41.1	12	13.6	0.0	2.3	7.6	21.1	107.1
4/6	87	4.7	1367	7.8	10	11.5	0.0	0.0	7.9	26.7	40.0	7.3	0.0	0.0	5.7	14.5	26.7	7	7.5	0.0	0.0	2.7	12.5	35.7
>=7	78	4.2	2256	12.9	11	14.1	5.6	5.9	20.8	41.7	100.0	4.9	1.9	2.2	7.0	13.3	22.7	8	4.8	0.0	1.3	6.5	15.5	43.5
Non-Invasive Mechanical Ventilation																								
0	1558	83.3	14225	81.1	49	3.1	0.7	2.8	3.9	5.4	8.9	3.4	0.7	3.5	4.3	7.2	9.4	38	5.9	1.2	6.3	8.8	11.7	58.0
1	190	10.2	1816	10.4	12	6.3	1.9	4.4	8.0	12.1	33.3	6.6	1.7	4.7	7.4	12.1	48.8	5	8.0	0.0	0.0	1.9	10.6	153.8
2/3	90	4.8	924	5.3	1	1.1	0.0	0.0	0.0	0.0	3.4	1.1	0.0	0.0	0.0	0.0	2.9	0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	25	1.3	382	2.2	1	4.0	0.0	0.0	0.0	0.0	9.1	2.6	0.0	0.0	0.0	0.0	5.1	0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	7	0.4	188	1.1	1	14.3	0.0	0.0	0.0	50.0	100.0	5.3	0.0	0.0	0.0	10.2	20.4	1	13.2	0.0	0.0	0.0	25.0	25.0
Tracheotomy Intubation																								
0	1827	97.7	16409	93.6	55	3.0	0.8	2.2	4.2	5.3	8.3	3.4	0.8	2.8	4.7	7.4	9.7	39	5.9	1.5	6.3	8.1	11.6	54.8
1	8	0.4	119	0.7	2	25.0	0.0	0.0	50.0	100.0	100.0	16.8	0.0	0.0	11.1	23.6	25.0	1	13.7	0.0	0.0	0.0	11.1	22.2
2/3	11	0.6	138	0.8	2	18.2	0.0	0.0	0.0	50.0	100.0	14.5	0.0	0.0	0.0	41.7	47.6	2	19.6	0.0	0.0	0.0	47.6	62.5
4/6	9	0.5	178	1.0	2	22.2	0.0	0.0	0.0	50.0	100.0	11.2	0.0	0.0	0.0	13.0	43.5	0	0.0	0.0	0.0	0.0	0.0	0.0
>=7	15	0.8	691	3.9	3	20.0	0.0	0.0	0.0	50.0	100.0	4.3	0.0	0.0	0.0	11.5	21.3	2	4.1	0.0	0.0	0.0	12.8	22.2

[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; IAP incd = # NP / 1000 patientdays; NP incd = # 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]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Intubation																								
0	1153	61.7	9777	55.8	4	0.3	0.0	0.0	0.0	0.5	2.6	0.4	0.0	0.0	0.0	0.8	3.3	3	0.4	0.0	0.0	0.0	1.8	2.4
1	387	20.7	2300	13.1	3	0.8	0.0	0.0	0.0	1.0	5.9	1.3	0.0	0.0	0.0	1.8	6.5	2	1.0	0.0	0.0	0.0	0.0	2.3
2/3	151	8.1	1430	8.2	5	3.3	0.0	0.0	0.0	4.0	50.0	3.5	0.0	0.0	0.0	3.7	55.6	5	3.9	0.0	0.0	0.0	4.8	55.6
4/6	91	4.9	1555	8.9	11	12.1	0.0	0.0	15.3	33.3	50.0	7.1	0.0	0.0	8.3	15.5	18.5	10	7.3	0.0	0.0	6.6	17.8	19.5
>=7	88	4.7	2473	14.1	12	13.6	0.0	4.8	10.0	22.7	100.0	4.9	0.0	1.9	3.9	6.8	22.7	8	3.4	0.0	0.0	2.6	4.3	22.7
Central Vascular Catheter																								
0	608	32.5	6476	36.9	1	0.2	0.0	0.0	0.0	0.0	2.4	0.2	0.0	0.0	0.0	0.0	2.7	0	0.0	0.0	0.0	0.0	0.0	0.0
1	250	13.4	833	4.8	1	0.4	0.0	0.0	0.0	0.0	6.7	1.2	0.0	0.0	0.0	0.0	18.5	1	1.4	0.0	0.0	0.0	0.0	20.8
2/3	625	33.4	3599	20.5	6	1.0	0.0	0.0	0.9	1.3	3.8	1.7	0.0	0.0	1.4	2.5	6.9	6	1.8	0.0	0.0	1.7	2.6	7.1
4/6	203	10.9	2384	13.6	11	5.4	0.0	0.0	5.9	13.3	25.0	4.6	0.0	0.0	4.5	9.7	19.0	9	4.1	0.0	0.0	4.5	6.0	14.0
>=7	184	9.8	4243	24.2	16	8.7	0.0	4.2	9.5	16.7	33.3	3.8	0.0	1.9	4.3	5.8	13.8	12	3.0	0.0	2.0	3.1	6.1	8.8
Urinary Catheter																								
0	611	32.7	6664	38.0	9	1.5	0.0	0.0	0.0	3.2	6.9	1.4	0.0	0.0	0.0	3.8	6.7	6	1.2	0.0	0.0	0.0	3.3	4.4
1	236	12.6	883	5.0	1	0.4	0.0	0.0	0.0	0.0	5.6	1.1	0.0	0.0	0.0	0.0	11.1	1	1.9	0.0	0.0	0.0	0.0	21.3
2/3	631	33.7	3597	20.5	3	0.5	0.0	0.0	0.0	0.7	3.4	0.8	0.0	0.0	0.0	1.1	6.3	3	1.1	0.0	0.0	0.0	1.5	7.6
4/6	213	11.4	2341	13.4	9	4.2	0.0	0.0	0.0	13.3	28.6	3.8	0.0	0.0	0.0	10.3	21.7	7	3.8	0.0	0.0	0.0	6.2	15.9
>=7	179	9.6	4050	23.1	13	7.3	2.1	4.9	9.1	12.1	16.7	3.2	1.0	2.3	3.9	5.5	6.2	11	3.0	1.1	2.5	3.5	6.1	7.6

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

	pats[a]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Naso Oro Intestinal Tube without feeding																								
0	1048	56.0	9524	54.3	3	0.3	0.0	0.0	0.0	0.0	1.3	0.3	0.0	0.0	0.0	0.0	1.7	3	0.5	0.0	0.0	0.0	0.0	3.4
1	428	22.9	2950	16.8	12	2.8	0.0	0.0	2.0	4.3	20.0	4.1	0.0	0.0	2.8	6.5	14.5	9	3.6	0.0	0.0	2.6	4.1	16.9
2/3	236	12.6	1940	11.1	7	3.0	0.0	0.0	6.3	10.0	11.8	3.6	0.0	0.0	9.2	11.4	15.4	7	4.0	0.0	0.0	9.3	11.4	22.2
4/6	78	4.2	1019	5.8	5	6.4	0.0	0.0	5.3	33.3	50.0	4.9	0.0	0.0	4.0	17.5	22.2	3	3.3	0.0	0.0	0.0	4.4	22.7
>=7	80	4.3	2102	12.0	8	10.0	0.0	0.0	1.4	14.5	33.3	3.8	0.0	0.0	0.6	5.1	11.2	6	3.0	0.0	0.0	0.6	4.1	11.8
Naso Oro Intestinal Tube with feeding																								
0	1540	82.4	12544	71.5	10	0.6	0.0	0.0	0.5	1.0	2.0	0.8	0.0	0.0	0.4	1.5	2.8	8	0.9	0.0	0.0	0.6	1.5	3.7
1	85	4.5	862	4.9	6	7.1	0.0	0.0	0.0	6.7	50.0	7.0	0.0	0.0	0.0	7.2	24.7	6	7.8	0.0	0.0	0.0	9.4	24.7
2/3	112	6.0	1224	7.0	7	6.3	0.0	0.0	6.3	11.1	33.3	5.7	0.0	0.0	6.8	7.8	16.1	5	4.5	0.0	0.0	0.0	7.0	13.0
4/6	76	4.1	1259	7.2	6	7.9	0.0	0.0	5.9	22.2	50.0	4.8	0.0	0.0	4.1	9.8	22.7	6	5.4	0.0	0.0	5.4	10.2	33.3
>=7	57	3.0	1646	9.4	6	10.5	0.0	0.0	0.0	28.6	66.7	3.6	0.0	0.0	0.0	6.1	17.1	3	2.0	0.0	0.0	0.0	3.3	11.8
Parenteral Nutrition																								
0	1600	85.6	13603	77.6	20	1.3	0.2	0.6	1.5	2.2	2.9	1.5	0.3	1.0	1.8	2.8	4.0	15	1.5	0.0	0.6	1.7	3.0	4.9
1	84	4.5	695	4.0	2	2.4	0.0	0.0	0.0	0.0	33.3	2.9	0.0	0.0	0.0	0.0	22.2	2	3.1	0.0	0.0	0.0	0.0	22.2
2/3	104	5.6	1258	7.2	4	3.8	0.0	0.0	0.0	4.9	20.0	3.2	0.0	0.0	0.0	3.6	14.1	4	3.5	0.0	0.0	0.0	3.8	19.2
4/6	44	2.4	799	4.6	5	11.4	0.0	0.0	5.3	29.2	50.0	6.3	0.0	0.0	3.4	13.7	16.4	3	4.0	0.0	0.0	0.0	10.4	19.6
>=7	38	2.0	1180	6.7	4	10.5	0.0	0.0	4.2	13.3	16.7	3.4	0.0	0.0	1.4	4.1	5.7	4	3.5	0.0	0.0	1.4	4.3	5.7

[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 patients; NB incd = # NB / 1000 patientdays; CAB incd = # NP / 1000 Catheter days
(before 1st NB);

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

	pats[a]		patdays[a]		NB[a]													CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Invasive Mechanical Ventilation																								
0	1247	66.7	10516	60.0	8	0.6	0.0	0.0	0.5	1.8	2.5	0.8	0.0	0.0	0.8	2.0	3.2	5	0.7	0.0	0.0	0.0	2.0	2.4
1	323	17.3	2049	11.7	3	0.9	0.0	0.0	0.0	1.3	6.3	1.5	0.0	0.0	0.0	2.0	6.7	2	1.2	0.0	0.0	0.0	1.1	2.3
2/3	136	7.3	1281	7.3	4	2.9	0.0	0.0	1.3	8.4	16.7	3.1	0.0	0.0	1.2	9.6	19.6	4	3.4	0.0	0.0	1.3	11.3	19.6
4/6	87	4.7	1471	8.4	10	11.5	0.0	0.0	7.9	25.8	50.0	6.8	0.0	0.0	5.7	13.5	16.9	10	7.7	0.0	0.0	6.3	17.8	19.2
>=7	77	4.1	2218	12.6	10	13.0	0.0	2.8	7.9	28.6	100.0	4.5	0.0	1.0	3.1	9.7	22.7	7	3.4	0.0	0.0	2.4	4.5	22.7
Non-Invasive Mechanical Ventilation																								
0	1568	83.9	14511	82.8	30	1.9	0.8	1.4	2.3	2.6	5.3	2.1	0.7	1.7	2.5	3.5	5.5	25	2.1	0.9	1.9	2.4	3.4	6.1
1	183	9.8	1671	9.5	5	2.7	0.0	0.0	1.0	3.4	7.7	3.0	0.0	0.0	0.9	5.0	7.2	3	2.6	0.0	0.0	0.0	3.2	6.6
2/3	89	4.8	869	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
4/6	24	1.3	345	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
>=7	6	0.3	139	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
Tracheotomy Intubation																								
0	1827	97.7	16390	93.5	26	1.4	0.0	0.6	2.1	2.5	4.2	1.6	0.0	0.6	2.2	3.0	4.4	22	1.7	0.0	0.7	1.8	3.3	5.1
1	10	0.5	269	1.5	4	40.0	0.0	14.3	64.3	100.0	100.0	14.9	0.0	6.0	13.1	20.6	27.0	3	16.6	0.0	4.1	17.6	46.8	66.7
2/3	11	0.6	169	1.0	2	18.2	0.0	0.0	0.0	25.0	100.0	11.8	0.0	0.0	0.0	21.3	22.2	0	0.0	0.0	0.0	0.0	0.0	0.0
4/6	8	0.4	123	0.7	1	12.5	0.0	0.0	0.0	0.0	100.0	8.1	0.0	0.0	0.0	0.0	43.5	1	10.9	0.0	0.0	0.0	76.9	76.9
>=7	14	0.7	584	3.3	2	14.3	0.0	0.0	0.0	33.3	33.3	3.4	0.0	0.0	0.0	5.8	7.6	2	3.9	0.0	0.0	0.0	6.6	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 /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]	#[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	agg	p10	p25	p50	p75	p90
mean CNS SOFA score																								
0	362	10.5	2570	9.1	3	0.8	0.0	0.0	0.0	0.8	1.5	1.2	0.0	0.0	0.0	1.0	2.0	2	4.3	0.0	0.0	0.0	6.3	6.3
0.1/1	162	4.7	1298	4.6	1	0.6	0.0	0.0	0.0	1.6	3.2	0.8	0.0	0.0	0.0	2.3	4.6	0	0.0	0.0	0.0	0.0	0.0	0.0
1.1/2	92	2.7	1078	3.8	7	7.6	3.3	4.8	9.4	13.4	14.3	6.5	3.1	4.3	10.0	15.6	16.7	3	4.9	0.0	1.1	8.3	15.3	16.1
2.1/3	60	1.7	909	3.2	2	3.3	0.0	0.0	0.0	12.5	25.0	2.2	0.0	0.0	0.0	12.3	24.7	2	3.3	0.0	0.0	0.0	17.2	34.5
3.1/4	91	2.6	1752	6.2	11	12.1	0.0	2.3	9.8	32.6	50.0	6.3	0.0	0.9	5.7	22.9	36.4	11	8.1	0.0	1.2	6.8	46.4	81.6
mean Respiratory SOFA score																								
0	111	3.2	831	2.9	1	0.9	0.0	0.0	0.0	5.0	10.0	1.2	0.0	0.0	0.0	5.1	10.1	1	5.6	0.0	0.0	0.0	166.7	166.7
0.1/1	133	3.9	1009	3.6	1	0.8	0.0	0.0	0.0	2.2	4.3	1.0	0.0	0.0	0.0	3.0	6.1	0	0.0	0.0	0.0	0.0	0.0	0.0
1.1/2	236	6.9	1957	6.9	5	2.1	0.0	0.7	1.5	4.3	6.9	2.6	0.0	0.9	1.8	4.8	7.7	5	7.7	0.0	1.7	5.2	38.0	69.0
2.1/3	143	4.2	2216	7.8	10	7.0	2.2	5.0	7.9	15.1	22.2	4.5	1.0	3.6	6.3	10.9	15.3	5	3.7	0.0	3.1	6.8	19.8	32.3
3.1/4	74	2.1	1356	4.8	6	8.1	0.0	2.4	8.2	15.8	20.0	4.4	0.0	1.1	4.6	16.3	25.6	6	6.0	3.1	3.1	9.1	33.3	33.3
mean Coagulation SOFA score																								
0	470	13.7	4227	14.9	14	3.0	0.0	1.6	3.7	5.6	7.0	3.3	0.0	2.1	4.7	6.4	7.6	11	6.9	0.0	6.5	13.6	25.6	37.0
0.1/1	191	5.5	2311	8.2	8	4.2	1.7	2.1	2.5	14.6	26.7	3.5	1.7	1.9	2.2	10.6	19.0	5	4.2	0.0	0.7	2.5	38.4	73.2
1.1/2	64	1.9	636	2.2	1	1.6	0.0	0.0	0.0	1.9	3.8	1.6	0.0	0.0	0.0	1.7	3.3	1	3.5	0.0	0.0	0.0	3.2	6.5
2.1/3	33	1.0	379	1.3	1	3.0	0.0	0.0	0.0	6.3	12.5	2.6	0.0	0.0	0.0	3.0	6.1	1	5.5	0.0	0.0	0.0	3.6	7.1
3.1/4	9	0.3	107	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

[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]		patdays[a]		NP[a]														IAP[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
mean Cardiovascular SOFA score																								
0	287	8.3	1930	6.8	6	2.1	0.0	0.4	3.3	7.6	9.3	3.1	0.0	0.6	5.8	11.2	12.0	3	8.7	0.0	0.0	18.5	47.9	58.8
0.1/1	261	7.6	2747	9.7	7	2.7	0.0	0.6	1.8	3.8	5.1	2.5	0.0	0.4	2.0	4.0	4.8	5	4.3	0.0	0.8	3.2	6.9	8.9
1.1/2	102	3.0	1317	4.6	4	3.9	0.0	1.1	2.9	16.0	28.6	3.0	0.0	1.2	2.6	10.7	18.5	4	5.3	0.0	1.7	5.7	35.3	62.5
2.1/3	63	1.8	831	2.9	2	3.2	0.0	0.0	2.5	6.7	8.3	2.4	0.0	0.0	2.9	7.7	9.5	2	4.0	0.0	0.0	7.5	15.7	16.4
3.1/4	58	1.7	1014	3.6	5	8.6	0.0	0.0	3.8	12.8	18.2	4.9	0.0	0.0	1.9	8.0	12.3	4	5.3	0.0	0.0	1.8	9.2	14.9
mean Renal SOFA score																								
0	424	12.3	4301	15.2	17	4.0	1.7	2.6	4.5	8.2	10.9	4.0	1.4	2.9	5.4	9.6	12.9	12	6.0	2.2	5.1	9.6	38.3	65.2
0.1/1	160	4.6	1489	5.3	5	3.1	0.0	0.0	2.3	4.6	4.7	3.4	0.0	0.0	2.0	5.0	6.0	5	7.4	0.0	0.0	3.0	13.2	20.3
1.1/2	72	2.1	609	2.1	1	1.4	0.0	0.0	0.0	10.0	20.0	1.6	0.0	0.0	0.0	7.5	14.9	1	4.5	0.0	0.0	0.0	21.7	43.5
2.1/3	53	1.5	684	2.4	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
3.1/4	57	1.7	627	2.2	1	1.8	0.0	0.0	0.0	4.2	8.3	1.6	0.0	0.0	2.2	2.2	4.4	0	0.0	0.0	0.0	0.0	0.0	0.0
mean Liver SOFA score																								
0	559	16.2	5547	19.6	19	3.4	1.4	2.2	4.5	7.1	8.2	3.4	1.2	2.5	4.8	7.6	9.4	16	6.8	2.1	6.4	11.2	37.8	63.8
0.1/1	110	3.2	1431	5.0	4	3.6	2.3	2.5	3.6	8.5	12.5	2.8	1.5	2.1	3.2	6.5	9.3	1	1.3	0.0	0.0	0.0	19.2	38.5
1.1/2	41	1.2	347	1.2	1	2.4	0.0	0.0	0.0	5.6	11.1	2.9	0.0	0.0	0.0	4.9	9.7	1	7.1	0.0	0.0	0.0	15.9	15.9
2.1/3	25	0.7	241	0.9	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
3.1/4	6	0.2	53	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
mean Total SOFA score																								
0/1	113	3.3	765	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
2	84	2.4	609	2.1	1	1.2	0.0	0.0	0.0	2.2	2.2	1.6	0.0	0.0	0.0	2.7	2.7	0	0.0	0.0	0.0	0.0	0.0	0.0
3/4	156	4.5	1459	5.1	5	3.2	0.0	0.0	1.2	9.1	15.8	3.4	0.0	0.0	1.6	11.2	19.1	3	5.5	0.0	0.0	11.4	66.7	66.7
5/6	133	3.9	1482	5.2	5	3.8	1.8	2.6	6.2	11.7	14.3	3.4	1.3	2.6	7.1	10.7	11.0	3	3.9	0.0	1.0	3.6	30.4	55.6
7/max	185	5.4	2917	10.3	11	5.9	3.4	3.8	6.5	15.5	22.2	3.8	1.9	3.0	4.8	9.5	13.5	10	5.1	1.7	4.3	8.7	35.5	60.6

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

Table 31: Bloodstream Infections and SOFAscore (a)

| | pats^a | | patdays^a | | NB^a | | | | | | | | | | | | | CAB^a | | | | | | |
| | #^b | %^b | #^b | %^b | #^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	agg	p10	p25	p50	p75	p90
mean CNS SOFA score																								
0	364	10.6	2718	9.6	7	1.9	0.0	0.5	1.8	2.9	3.2	2.6	0.0	0.6	2.3	4.5	5.7	7	4.2	0.0	0.9	4.0	8.9	11.5
0.1/1	162	4.7	1282	4.5	3	1.9	0.0	0.8	2.4	5.5	7.7	2.3	0.0	1.0	3.3	5.7	6.8	2	2.2	0.0	0.0	1.5	5.5	8.1
1.1/2	89	2.6	935	3.3	1	1.1	0.0	0.0	0.0	3.3	6.7	1.1	0.0	0.0	0.0	4.0	8.0	1	1.3	0.0	0.0	0.0	6.3	12.5
2.1/3	63	1.8	983	3.5	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
3.1/4	89	2.6	1689	6.0	7	7.9	0.0	1.6	6.2	18.8	28.6	4.1	0.0	1.1	3.0	12.2	20.6	5	3.1	0.0	1.0	2.1	11.4	20.6
mean Respiratory SOFA score																								
0	111	3.2	831	2.9	1	0.9	0.0	0.0	0.0	5.0	10.0	1.2	0.0	0.0	0.0	5.1	10.1	1	1.7	0.0	0.0	0.0	7.0	14.1
0.1/1	132	3.8	953	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	0.0	0.0
1.1/2	235	6.8	1914	6.8	4	1.7	0.0	0.7	1.6	2.5	3.4	2.1	0.0	0.9	1.9	2.9	3.8	4	3.2	0.0	1.2	3.0	4.1	4.6
2.1/3	144	4.2	2195	7.7	9	6.3	2.6	3.5	7.0	10.4	11.1	4.1	2.0	2.1	4.9	7.8	7.9	7	3.9	0.0	1.1	5.1	10.4	12.9
3.1/4	75	2.2	1476	5.2	2	2.7	0.0	0.0	0.0	2.3	4.7	1.4	0.0	0.0	0.0	1.0	2.0	2	1.4	0.0	0.0	0.0	1.0	2.1
mean Coagulation SOFA score																								
0	470	13.7	4227	14.9	8	1.7	0.0	1.0	2.1	2.1	2.1	1.9	0.0	0.9	2.2	2.7	2.8	7	2.4	0.0	0.8	2.4	4.5	5.7
0.1/1	192	5.6	2255	8.0	8	4.2	1.7	2.1	5.0	10.3	13.3	3.5	1.8	2.0	4.4	8.0	9.5	6	3.0	1.0	2.0	3.9	7.5	10.3
1.1/2	63	1.8	629	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
2.1/3	33	1.0	379	1.3	1	3.0	0.0	0.0	0.0	4.2	8.3	2.6	0.0	0.0	0.0	5.4	10.9	1	3.0	0.0	0.0	0.0	7.2	14.5
3.1/4	9	0.3	107	0.4	1	11.1	0.0	0.0	0.0	20.0	28.6	9.3	0.0	0.0	0.0	16.9	16.9	1	9.9	0.0	0.0	0.0	17.5	17.5

^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 32: Bloodstream Infections and SOFAscore (b)

	pats[a]		patdays[a]		NB[a]													CAB[a]						
					%[b]						#[b]	incd[b]						#[b]	incd[b]					
	#[b] agg	%[b] agg	#[b] agg	%[b] agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90	agg	agg	p10	p25	p50	p75	p90
mean Cardiovascular SOFA score																								
0	287	8.3	1930	6.8	0.7	0.0	0.0	0.4	1.5	2.3	2	1.0	0.0	0.0	0.6	2.1	3.0	2	1.9	0.0	0.0	1.8	3.8	4.0
0.1/1	260	7.6	2645	9.3	2.3	0.0	1.1	2.4	2.5	2.6	6	2.3	0.0	1.0	2.1	2.9	3.4	3	1.5	0.0	0.0	1.2	2.9	3.6
1.1/2	105	3.1	1406	5.0	3.8	0.0	1.1	2.7	15.8	28.6	4	2.8	0.0	1.0	2.4	10.7	18.5	4	3.1	0.0	1.0	2.8	11.3	18.9
2.1/3	60	1.7	671	2.4	1.7	0.0	0.0	0.0	2.6	5.3	1	1.5	0.0	0.0	0.0	3.1	6.2	1	1.8	0.0	0.0	0.0	3.6	7.3
3.1/4	58	1.7	1101	3.9	8.6	0.0	0.0	3.7	20.3	33.3	5	4.5	0.0	0.0	1.7	19.5	35.7	5	4.7	0.0	0.0	1.7	19.6	35.7
mean Renal SOFA score																								
0	424	12.3	4296	15.2	1.7	1.1	1.1	1.5	3.1	4.4	7	1.6	0.9	1.1	1.7	3.8	5.3	6	1.9	0.6	1.0	3.1	5.4	6.2
0.1/1	158	4.6	1444	5.1	1.9	0.0	0.8	2.0	2.6	2.8	3	2.1	0.0	1.0	2.1	2.5	2.8	1	0.9	0.0	0.0	0.0	2.1	4.2
1.1/2	75	2.2	671	2.4	5.3	0.0	2.6	8.1	15.6	20.0	4	6.0	0.0	3.7	7.7	11.4	14.9	4	7.5	0.0	4.3	10.0	15.0	18.5
2.1/3	54	1.6	755	2.7	3.7	0.0	0.0	0.0	4.2	8.3	2	2.6	0.0	0.0	0.0	4.8	9.5	2	3.0	0.0	0.0	0.0	6.1	12.2
3.1/4	56	1.6	572	2.0	3.6	0.0	0.0	0.0	9.1	18.2	2	3.5	0.0	0.0	0.0	5.9	11.8	2	4.1	0.0	0.0	0.0	6.5	13.0
mean Liver SOFA score																								
0	557	16.2	5519	19.5	1.8	1.0	1.4	2.2	2.9	3.3	10	1.8	1.3	1.4	2.0	3.1	3.7	8	2.0	1.4	1.5	1.9	3.5	4.6
0.1/1	110	3.2	1340	4.7	3.6	0.0	1.4	3.7	8.6	12.5	4	3.0	0.0	0.9	3.6	7.4	9.3	3	2.6	0.0	0.0	3.9	8.5	9.3
1.1/2	42	1.2	380	1.3	4.8	0.0	0.0	2.1	7.1	10.0	2	5.3	0.0	0.0	2.6	6.3	7.4	2	6.5	0.0	0.0	3.8	7.8	8.1
2.1/3	26	0.8	251	0.9	7.7	0.0	0.0	0.0	8.3	16.7	2	8.0	0.0	0.0	0.0	11.5	23.0	2	9.6	0.0	0.0	0.0	17.2	34.5
3.1/4	5	0.1	43	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
mean Total SOFA score																								
0/1	113	3.3	765	2.7	0.9	0.0	0.0	0.0	4.2	4.2	1	1.3	0.0	0.0	0.0	4.6	4.6	1	2.2	0.0	0.0	0.0	5.7	5.7
2	83	2.4	526	1.9	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
3/4	159	4.6	1642	5.8	1.9	0.0	0.0	0.0	1.8	3.5	3	1.8	0.0	0.0	0.0	2.1	4.2	3	2.9	0.0	0.0	0.0	8.1	8.1
5/6	129	3.7	1239	4.4	1.6	0.0	0.0	0.8	1.8	1.9	2	1.6	0.0	0.0	0.9	1.9	2.0	1	1.0	0.0	0.0	0.0	1.4	2.7
7/max	187	5.4	3060	10.8	5.3	2.2	3.6	5.3	13.9	22.2	10	3.3	1.3	1.9	4.3	9.8	13.5	9	3.1	1.4	1.6	4.7	10.6	13.5

[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]		patdays[a]		NP[a]													IAP[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
total Antibiotic Use days																								
0	327	9.5	4312	15.2	6	1.8	0.0	1.2	2.7	5.3	8.0	1.4	0.0	1.8	2.2	4.5	8.3	3	1.3	0.0	0.0	0.0	6.7	9.4
1	30	0.9	167	0.6	1	3.3	0.0	0.0	0.0	50.0	100.0	6.0	0.0	0.0	0.0	55.6	111.1	1	55.6	0.0	0.0	0.0	166.7	166.7
2/3	243	7.1	1188	4.2	7	2.9	0.0	0.0	1.0	4.9	5.6	5.9	0.0	0.0	2.5	7.2	9.3	5	13.6	0.0	5.1	11.1	15.2	17.5
4/6	313	9.1	1919	6.8	7	2.2	0.0	0.7	2.0	3.5	13.3	3.6	0.0	1.1	3.2	6.0	24.1	7	15.9	0.0	3.5	9.6	28.0	111.1
>=7	443	12.9	5598	19.7	16	3.6	2.0	3.1	3.3	5.7	11.4	2.9	1.6	2.2	2.8	5.4	8.5	10	4.3	2.4	3.5	5.5	8.4	23.8
SDD Antibiotic Use days																								
0	1356	39.4	13184	46.5	37	2.7	1.0	2.4	2.8	5.8	8.2	2.8	0.9	2.4	3.1	7.9	8.6	26	4.8	1.4	5.3	7.8	10.8	54.1
1	0	0.0	0	0.0	0	0.0												0						
2/3	0	0.0	0	0.0	0	0.0												0						
4/6	0	0.0	0	0.0	0	0.0												0						
>=7	0	0.0	0	0.0	0	0.0												0						
Profylactic Antibiotic Use days																								
0	1061	30.8	11421	40.3	29	2.7	1.0	2.3	3.0	7.1	7.5	2.5	0.9	2.5	2.8	7.5	7.6	21	4.2	1.5	5.4	6.7	9.0	44.8
1	30	0.9	186	0.7	2	6.7	0.0	0.0	4.2	54.2	100.0	10.8	0.0	0.0	6.4	62.0	111.1	2	62.5	0.0	0.0	55.6	166.7	166.7
2/3	173	5.0	993	3.5	6	3.5	0.0	0.0	0.0	1.7	4.8	6.0	0.0	0.0	0.0	3.1	8.9	3	8.2	0.0	0.0	0.0	0.0	14.6
4/6	67	1.9	370	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
>=7	25	0.7	214	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
Empirical Antibiotic Use days																								
0	645	18.7	6229	22.0	13	2.0	0.0	0.8	2.0	5.7	9.1	2.1	0.0	1.3	1.8	8.0	8.5	7	2.6	0.0	0.0	5.4	10.3	76.9
1	23	0.7	165	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
2/3	156	4.5	1063	3.7	6	3.8	1.9	3.6	4.3	7.7	9.1	5.6	4.1	4.5	5.4	8.6	14.3	6	16.3	12.9	13.5	14.7	18.2	66.7
4/6	241	7.0	1831	6.5	5	2.1	0.0	1.1	1.9	3.0	6.7	2.7	0.0	1.5	2.5	3.6	10.0	4	7.8	0.0	4.8	7.4	7.5	111.1
>=7	291	8.5	3896	13.7	13	4.5	2.7	3.8	5.6	8.7	12.5	3.3	2.1	2.6	4.9	7.6	9.5	9	5.0	2.6	4.0	12.3	12.5	28.6

[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 34: Bloodstream Infection and Antibiotic Use

| | pats[a] | | patdays[a] | | NB[a] | | | | | | | | | | | | | CAB[a] | | | | | | |
| | #[b] | %[b] | #[b] | %[b] | #[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	agg	p10	p25	p50	p75	p90
total Antibiotic Use days																								
0	336	9.8	4423	15.6	3	0.9	0.0	0.0	0.8	1.2	1.3	0.7	0.0	0.0	0.4	0.9	1.9	2	0.6	0.0	0.0	0.0	1.3	4.0
1	30	0.9	205	0.7	1	3.3	0.0	0.0	0.0	50.0	100.0	4.9	0.0	0.0	0.0	0.0	21.3	0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	238	6.9	1067	3.8	2	0.8	0.0	0.0	0.0	1.0	5.3	1.9	0.0	0.0	0.0	2.4	5.7	2	2.6	0.0	0.0	0.0	2.5	19.6
4/6	307	8.9	1733	6.1	1	0.3	0.0	0.0	0.0	0.0	7.1	0.6	0.0	0.0	0.0	0.0	14.3	1	1.0	0.0	0.0	0.0	0.0	23.8
>=7	445	12.9	5756	20.3	18	4.0	0.8	3.8	5.4	5.7	11.4	3.1	0.6	2.9	4.7	4.9	8.1	16	3.3	0.7	2.8	5.6	6.5	6.8
SDD Antibiotic Use days																								
0	1356	39.4	13184	46.5	25	1.8	0.7	1.3	2.4	3.2	4.1	1.9	0.6	1.3	3.1	4.3	4.3	21	2.1	0.8	1.1	3.3	5.0	5.3
1	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					
4/6	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					
Profylactic Antibiotic Use days																								
0	1065	30.9	11516	40.6	21	2.0	0.8	1.3	2.6	4.2	4.8	1.8	0.6	1.1	3.3	4.4	4.5	17	1.9	0.8	0.8	2.7	5.1	5.7
1	28	0.8	157	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
2/3	170	4.9	887	3.1	3	1.8	0.0	0.0	0.0	1.7	2.0	3.4	0.0	0.0	0.0	3.1	4.4	3	3.9	0.0	0.0	0.0	3.8	4.5
4/6	68	2.0	410	1.4	1	1.5	0.0	0.0	0.0	1.9	1.9	2.4	0.0	0.0	0.0	3.1	3.1	1	2.9	0.0	0.0	0.0	3.6	3.6
>=7	25	0.7	214	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
Empirical Antibiotic Use days																								
0	652	18.9	6348	22.4	8	1.2	0.0	0.4	0.9	1.6	2.8	1.3	0.0	0.3	0.8	2.5	4.0	6	1.2	0.0	0.0	1.0	3.3	4.5
1	24	0.7	212	0.7	1	4.2	0.0	0.0	0.0	0.0	25.0	4.7	0.0	0.0	0.0	0.0	15.2	0	0.0	0.0	0.0	0.0	0.0	0.0
2/3	154	4.5	1047	3.7	4	2.6	0.0	0.0	3.6	7.7	9.1	3.8	0.0	0.0	4.0	9.4	11.5	4	5.7	0.0	0.0	7.0	12.0	12.2
4/6	239	6.9	1671	5.9	3	1.3	0.0	0.0	0.0	3.0	6.7	1.8	0.0	0.0	0.0	3.9	10.0	3	2.9	0.0	0.0	0.0	6.8	13.2
>=7	287	8.3	3906	13.8	9	3.1	0.0	1.0	2.9	4.5	5.2	2.3	0.0	0.7	2.6	3.6	4.0	8	2.5	0.0	0.8	3.5	4.1	4.6

[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 patients; CAB incd = # 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	31.00	1.00	0.29	0.87	1.16	1.28	2.05
Nosocomial Pneumonia	43.00	1.00	0.00	0.65	0.87	2.53	4.30

[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]		patdays[a]		NP,NB[a]													IAP,CAB[a]						
	#[b]	%[b]	#[b]	%[b]	#[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	agg	p10	p25	p50	p75	p90
Nosocomial Pneumonia Risk Score																								
≤9	242	7.0	2652	9.4	2	0.8	0.0	0.0	0.0	2.5	12.5	0.8	0.0	0.0	0.0	1.9	11.9	2	2.1	0.0	0.0	0.0	11.9	38.5
10/19	476	13.8	5076	17.9	5	1.1	0.0	0.0	0.0	0.8	13.0	1.0	0.0	0.0	0.0	0.5	11.0	2	0.9	0.0	0.0	0.0	0.0	15.3
20/29	244	7.1	1634	5.8	7	2.9	0.0	0.9	4.2	8.3	14.3	4.3	0.0	1.2	6.9	12.5	15.6	3	7.7	0.0	0.0	0.0	15.7	41.7
30/39	97	2.8	1001	3.5	3	3.1	0.0	0.0	0.0	4.1	20.0	3.0	0.0	0.0	0.0	3.4	19.6	3	5.5	0.0	0.0	0.0	6.0	28.6
40/49	77	2.2	992	3.5	13	16.9	0.0	5.9	20.0	25.0	100.0	13.1	0.0	5.4	14.7	20.8	76.9	11	16.5	0.0	7.3	20.7	26.3	100.0
50/59	47	1.4	568	2.0	11	23.4	0.0	14.3	20.0	25.0	100.0	19.4	0.0	11.5	15.6	19.6	120.0	10	21.6	0.0	12.0	18.9	27.0	166.7
≥60	19	0.6	514	1.8	2	10.5	0.0	0.0	0.0	11.1	20.0	3.9	0.0	0.0	0.0	3.7	7.8	2	5.0	0.0	0.0	0.0	4.7	11.4
Nosocomial Bacteremia Risk Score																								
≤9	456	13.2	3990	14.1	5	1.1	0.0	0.0	0.0	1.2	9.5	1.3	0.0	0.0	0.0	1.4	16.4	4	1.8	0.0	0.0	0.0	5.9	29.4
10/19	452	13.1	3399	12.0	1	0.2	0.0	0.0	0.0	0.0	5.6	0.3	0.0	0.0	0.0	0.0	5.0	1	0.3	0.0	0.0	0.0	0.0	5.6
20/29	188	5.5	1798	6.3	2	1.1	0.0	0.0	0.0	0.0	5.0	1.1	0.0	0.0	0.0	0.0	4.8	2	1.3	0.0	0.0	0.0	0.0	6.6
30/39	130	3.8	1572	5.5	4	3.1	0.0	0.0	0.0	4.8	25.0	2.5	0.0	0.0	0.0	4.5	8.9	2	1.4	0.0	0.0	0.0	0.0	5.4
40/49	141	4.1	2792	9.8	16	11.3	0.0	1.5	7.8	17.7	36.4	5.7	0.0	0.8	4.9	7.8	15.3	12	4.6	0.0	0.9	3.6	7.0	11.8
≥50	17	0.5	236	0.8	3	17.6	0.0	0.0	0.0	33.3	100.0	12.7	0.0	0.0	0.0	15.6	33.3	3	13.4	0.0	0.0	0.0	16.7	33.3
	0	0.0	0	0.0	0	.						.						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 patientdays; CAB incd = # NB/1000 catheter days (before 1st NB);
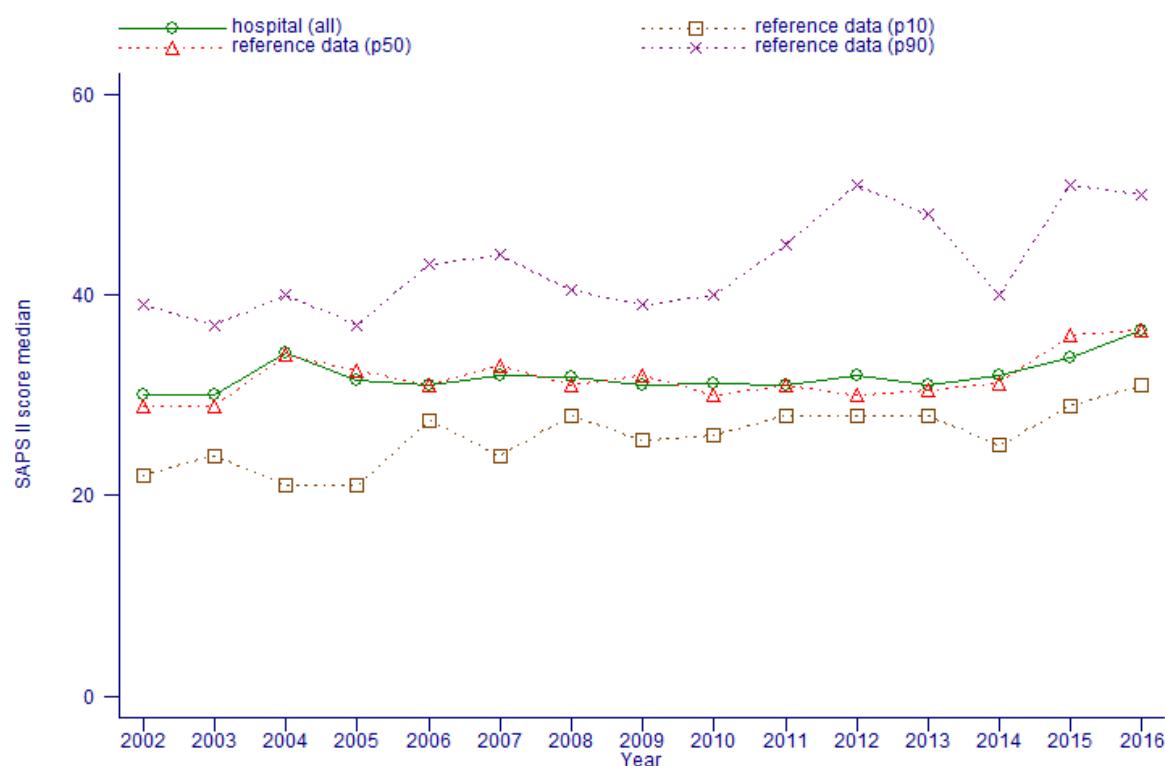
Figure 1: Evolution: SAPS II Score Median
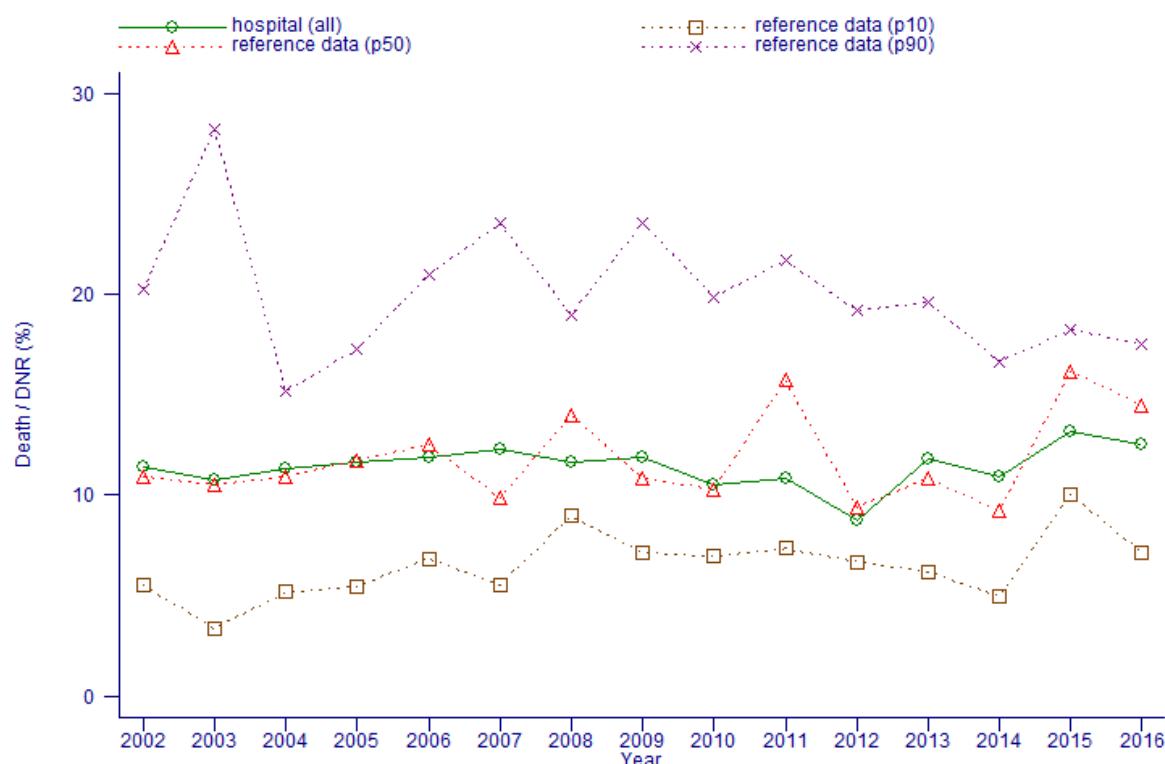

Figure 2: Evolution: Death / DNR (%)
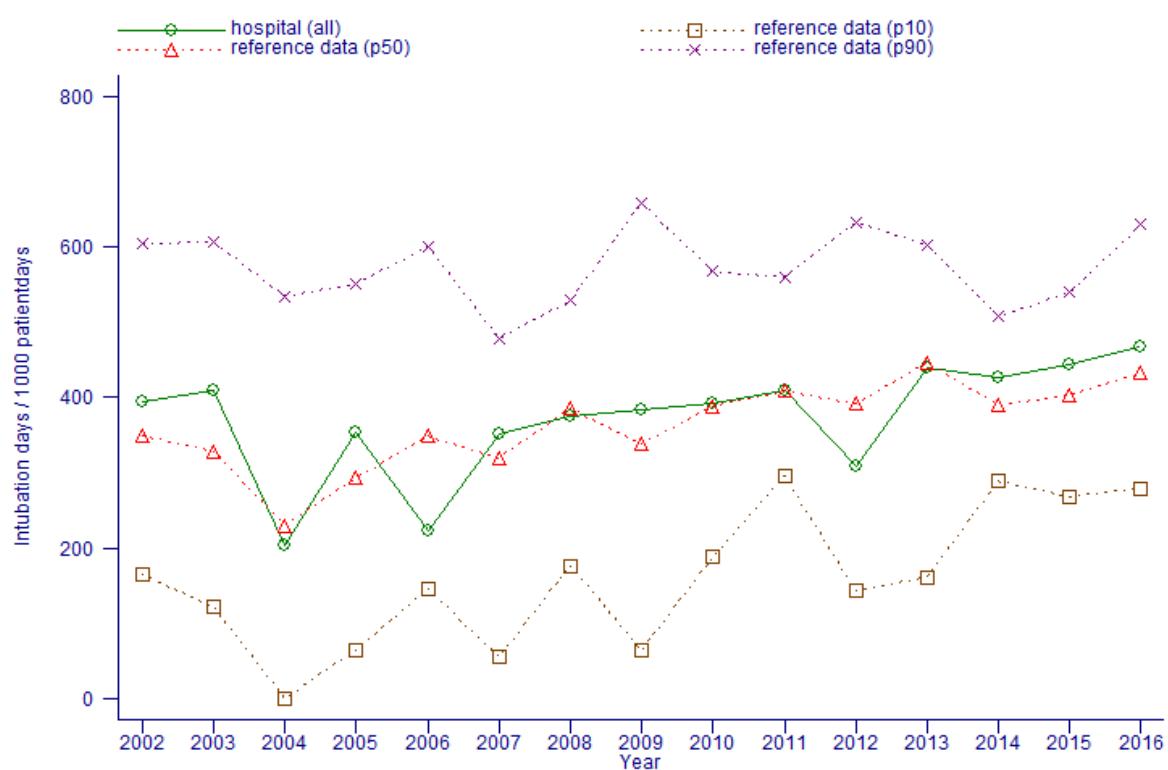
Figure 3: Evolution: Intubation days / 1000 patientdays
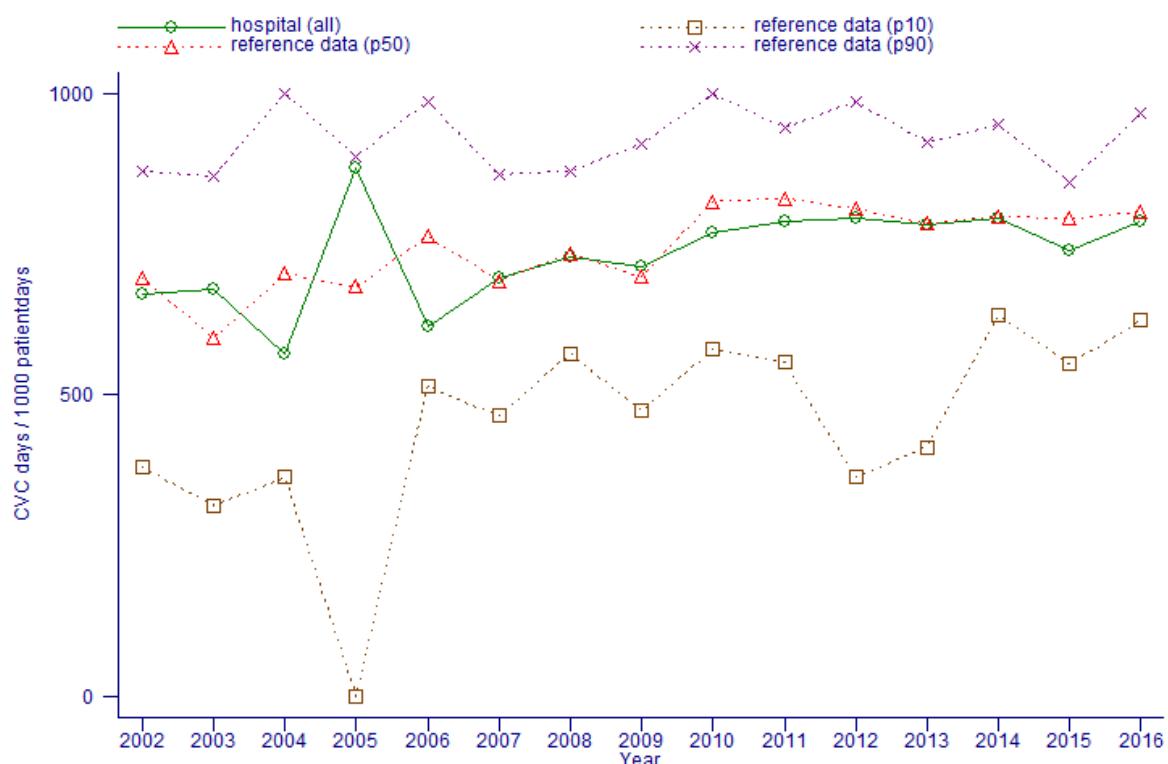
Figure 4: Evolution: CVC days / 1000 patientdays
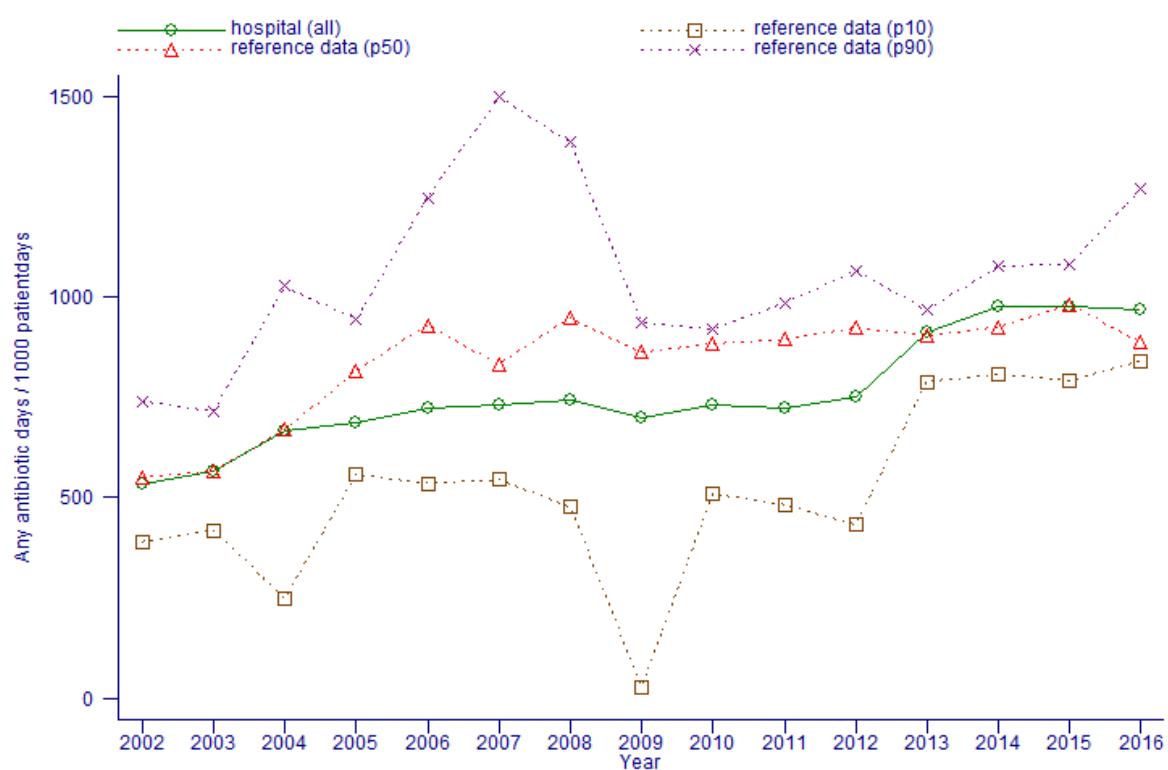
Figure 5: Evolution: Any AB utilization days / 1000 patientdays
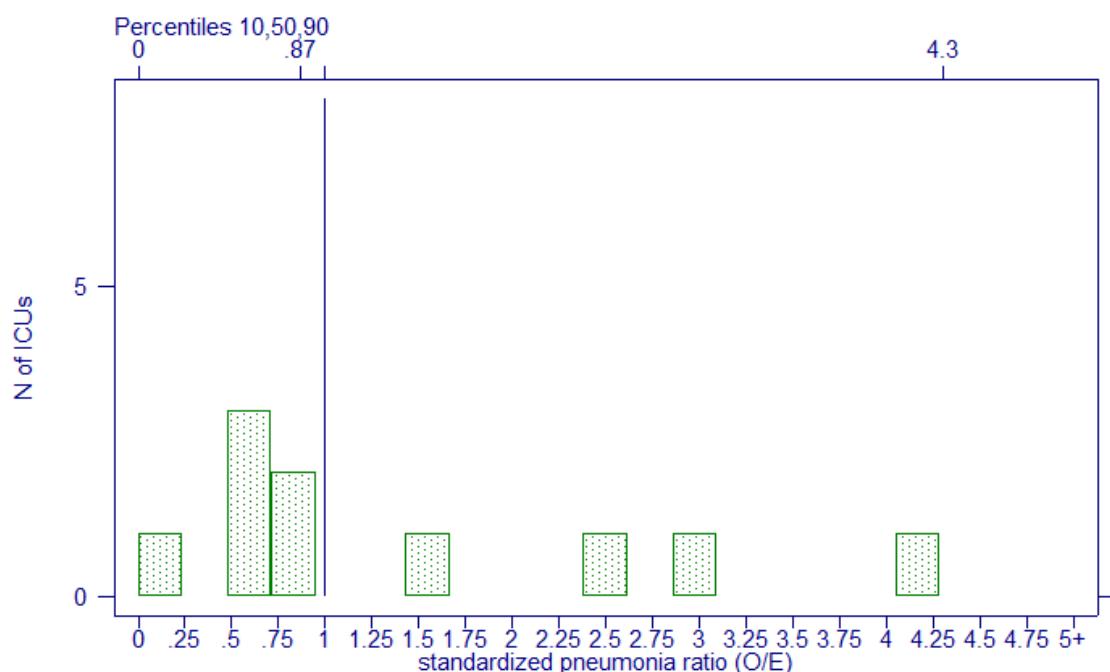
Figure 6: Benchhmark: Standardized Pneumonia Ratio
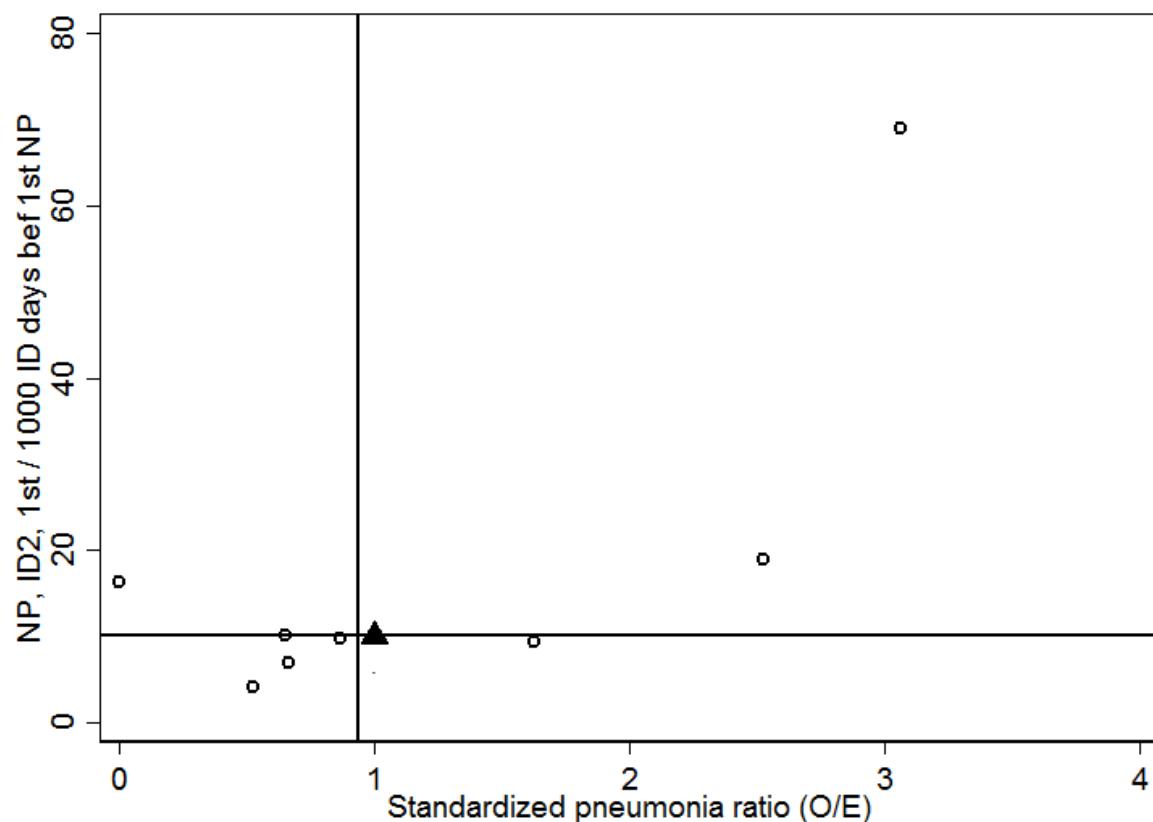
Figure 7: Benchhmark: Ventilator Associated Pneumonia versus Standardized Pneumonia Ratio
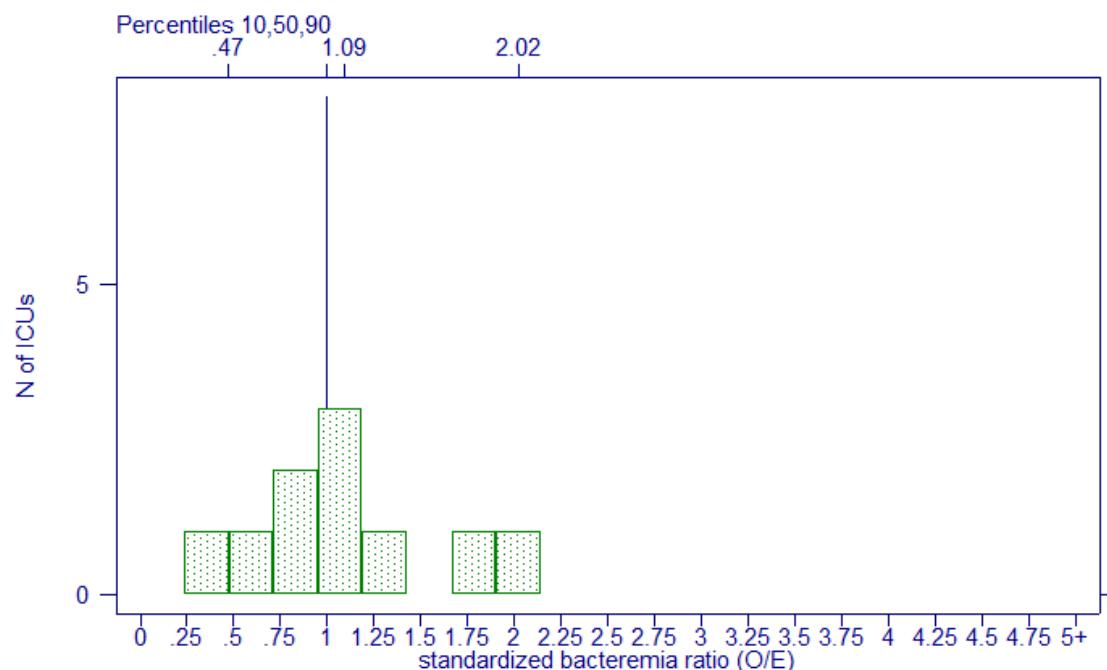

Figure 8: Benchhmark: Standardized Bacteremia Ratio
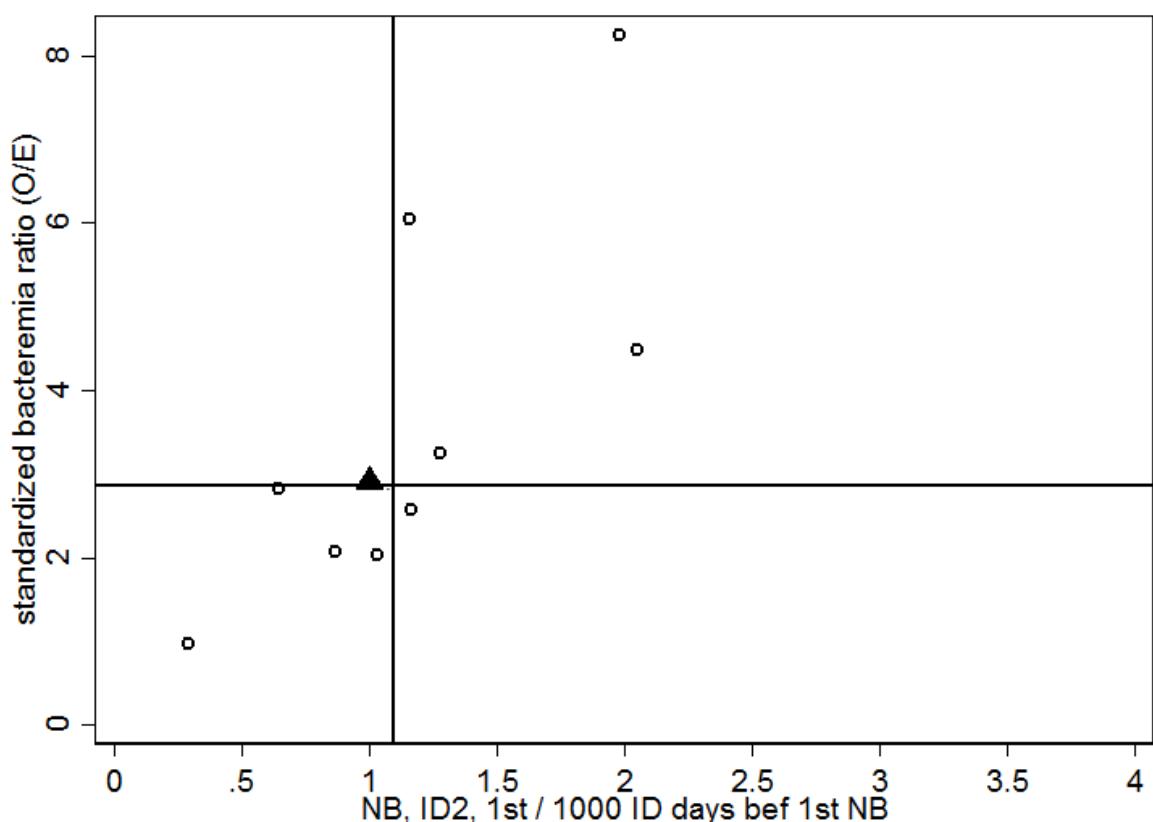
Figure 9: Benchhmark: Catheter Associated Bacteremia versus Standardized Bacteremia Ratio