



WETENSCHAPPELIJK INSTITUUT
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INSTITUT SCIENTIFIQUE
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Surveillance of surgical site infections

Hospital BE-9999

Data from 03/01/2002 to 31/12/2002

Reference data: BE (02/01/2002 to 31/12/2002)

Table I. Demographic characteristics

	N (1)	P (2)	BE, N hosp (3)	BE, n/ mean (4)	BE, mean (5)	P10	P25	P50	P75	P90
Total number of interventions	1087	P 96	51	19864	389	98	165	265	454	860
CABG	.	P .	9	1886	210	6	31	133	244	746
CHOL	52	P100	4	90	23	4	5	17	41	52
COLO	41	P 53	49	2194	45	5	23	36	61	75
CSEC	.	P .	0	0	.	.	.	.	.	.
HPRO	97	P 83	48	2856	60	17	35	54	84	106
KPRO	90	P100	3	195	65	52	52	53	90	90
LAM	112	P 77	43	3272	76	4	7	38	112	250
HER	138	P 76	49	4953	101	35	54	87	138	184
VS	76	P 53	47	4483	95	24	35	72	125	223
Mean post-op. length of stay (days)	12	P 72	51	.	13,1	7,5	9,0	10,0	12,9	24,6
CABG	.	P .	9	13,3	14,4	11,0	13,0	13,5	15,6	19,5
CHOL	7,8	P 75	4	6,8	6,6	4,0	4,5	6,3	8,7	9,6
COLO	17,9	P 71	42	17,0	20,5	12,3	14,0	15,9	18,9	21,0
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	21,5	P 78	40	18,8	28,3	13,6	15,5	17,8	21,4	26,6
KPRO	18,4	P100	3	16,0	15,5	14,0	14,0	14,2	18,4	18,4
LAM	8,5	P 69	35	7,4	20,2	3,8	6,0	6,9	8,9	10,9
HER	5,4	P 88	42	4,1	15,5	2,4	3,0	3,3	4,5	5,6
VS	13,8	P 88	42	9,9	15,7	6,1	7,8	10,3	12,4	18,5
Median age (years)	54	P 5	37	-	64	59	63	65	67	70
CABG	.	P .	8	-	70	67	69	70	71	75
CHOL	58	P 25	4	-	62	58	60	62	64	66
COLO	71	P 74	35	-	69	62	67	68	71	74
CSEC	.	P .	0	-	.	.	.	.	.	.
HPRO	70	P 29	35	-	72	68	69	72	75	77
KPRO	68	P 33	3	-	70	68	68	71	72	72
LAM	45	P 23	30	-	51	41	45	50	56	63
HER	55	P 33	35	-	56	52	54	56	60	61
VS	65	P 21	33	-	69	62	67	69	71	73
M:F ratio	0,8	P 8	37	1,5	1,6	0,8	1,2	1,6	1,9	2,3
CABG	.	P .	8	2,5	2,1	1,0	1,8	2,1	2,6	3,0
CHOL	0,7	P 50	4	0,8	1,4	0,0	0,3	0,8	2,5	4,0
COLO	1,3	P 71	35	1,0	1,0	0,3	0,7	0,9	1,3	1,5
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	0,7	P 86	35	0,5	0,6	0,3	0,4	0,6	0,7	0,8
KPRO	0,3	P 33	3	0,3	0,4	0,3	0,3	0,3	0,5	0,5
LAM	0,9	P 27	30	1,2	1,4	0,6	0,9	1,3	1,6	2,1
HER	2,6	P 14	35	4,1	4,8	2,3	3,4	4,4	5,6	6,4
VS	2,6	P 79	33	1,8	2,2	1,1	1,5	2,0	2,6	3,8
Median duration of operation (minutes)										
CABG	.	P .	8	220	217	156	178	209	254	300
CHOL	84	P 75	4	79	73	20	45	76	101	119
COLO	132	P 54	35	136	135	94	111	132	150	185
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	110	P 66	35	104	106	81	89	105	116	133
KPRO	111	P 67	3	112	112	110	110	111	116	116
LAM	85	P 40	30	82	94	59	70	92	108	135
HER	72	P 77	35	66	72	40	47	56	72	79
VS	154	P 91	33	99	117	62	89	109	132	154
T-time % >= NNIS P75										
CABG	.	P .	8	20	17	0	8	15	26	39
CHOL	15	P 75	4	13	15	0	2	9	28	40
COLO	15	P 51	35	19	18	0	4	15	20	47
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	19	P 43	35	24	24	3	9	20	30	50
KPRO	43	P 33	3	45	46	43	43	45	48	48
LAM	9	P 27	30	18	25	1	9	19	38	55
HER	0	P 51	35	0	0	0	0	0	0	0
VS	0	P 52	33	0	0	0	0	0	0	0

ASA % >= 3										
CABG	.	P .	8	80	72	26	55	76	93	100
CHOL	20	P 75	4	19	18	0	9	18	26	33
COLO	50	P 80	35	35	38	21	25	36	50	55
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	42	P 77	35	28	27	7	13	26	42	50
KPRO	29	P100	3	23	23	9	9	29	29	29
LAM	9	P 53	30	8	11	0	2	9	15	26
HER	30	P 97	35	10	10	2	4	8	13	18
VS	56	P 73	33	50	49	27	35	47	58	77
Wound class % >= 3										
CABG	.	P .	8	0	0	0	0	0	0	1
CHOL	2	P 75	4	1	1	0	0	0	0	8
COLO	0	P 20	35	13	17	0	0	6	21	50
CSEC	.	P .	0	.	.	.	.	.	.	.
HPRO	1	P 71	35	0	0	0	0	0	0	0
KPRO	0	P 56	3	0	0	0	0	0	0	0
LAM	0	P 48	30	0	0	0	0	0	0	0
HER	1	P 63	35	0	0	0	0	0	0	2
VS	0	P 38	33	1	1	0	0	0	1	4

(1)-(2) Results for your hospital (1) Figure for your hospital, (2) Your percentile, (3) number of hospitals for reference population (4) number or global mean for reference population BE (5) BE mean of means (equal weight for each hospital)

Table II. Cumulative incidence (% SSI)

	N (1)	% (2)	95% CI (3)	P (4)	BE, N (5)	BE, mean (6)	BE, mean (7)	P10	P25	P50	P75	P90
CABG	.|. .	. .	(. - .)	P .	73|1886	3,9	2,6	0	0	1,5	3,7	8,8
NNIS 0	.|. .	. .	(. - .)	P .	1|272	0,4	1	0	0	0	0	7,1
NNIS 1	.|. .	. .	(. - .)	P .	51|1284	4	2,5	0	0	2	4,2	7
NNIS 2-3	.|. .	. .	(. - .)	P .	21|307	6,8	5,5	0	0	0	3,7	33,3
NNIS unk.	.|. .	. .	(. - .)	P .	0|9	0	0	0	0	0	0	0
CHOL	1|52	1,9	(0.0-10.7)	P 75	3|90	3,3	2,2	0	0	1	4,4	6,9
NNIS 0	0|31	0	(0.0-11.9)	P 50	1|58	1,7	1	0	0	0	2,1	4,2
NNIS 1	0|12	0	(0.0-30.7)	P 50	1|17	5,9	8,3	0	0	0	25	25
NNIS 2-3	1|3	33,3	(0.8-185.7)	P100	1|4	25	16,7	0	0	16,7	33,3	33,3
NNIS unk.	0|6	0	(0.0-61.5)	P 67	0|11	0	0	0	0	0	0	0
COLO	2|41	4,9	(0.6-17.6)	P 59	123|2194	5,6	6,6	0	0	3,2	9,2	16,3
NNIS 0	0|11	0	(0.0-33.5)	P 26	56|950	5,9	7	0	0	0,7	12,6	22,2
NNIS 1	2|14	14,3	(1.7-51.6)	P 88	41|759	5,4	5,1	0	0	0	9,5	15,4
NNIS 2-3	0|3	0	(0.0-123.0)	P 37	20|274	7,3	8,9	0	0	0	0	33,3
NNIS unk.	0|13	0	(0.0-28.4)	P 40	6|126	4,8	9,9	0	0	0	3,4	40
CSEC	.|. .	. .	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 0	.|. .	. .	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 1	.|. .	. .	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 2-3	.|. .	. .	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS unk.	.|. .	. .	(. - .)	P .	0|0	.	.	.	.	.	.	.
HPRO	2|97	2,1	(0.2-7.4)	P 75	45|2856	1,6	1,8	0	0	0	2,1	6,3
NNIS 0	1|37	2,7	(0.1-15.1)	P 83	21|1434	1,5	1,7	0	0	0	2,3	4,5
NNIS 1	1|37	2,7	(0.1-15.1)	P 79	15|1089	1,4	1,2	0	0	0	0	4,4
NNIS 2-3	0|7	0	(0.0-52.7)	P 44	6|161	3,7	3,3	0	0	0	0	14,3
NNIS unk.	0|16	0	(0.0-23.1)	P 48	3|138	2,2	0,8	0	0	0	0	1,1
KPRO	1|90	1,1	(0.0-6.2)	P 67	2|195	1	1	0	0	1,1	1,9	1,9
NNIS 0	0|33	0	(0.0-11.2)	P 67	0|72	0	0	0	0	0	0	0
NNIS 1	0|40	0	(0.0-9.2)	P 67	0|80	0	0	0	0	0	0	0
NNIS 2-3	1|9	11,1	(0.3-61.9)	P 67	2|16	12,5	10,4	0	0	11,1	20	20
NNIS unk.	0|8	0	(0.0-46.1)	P 75	0|27	0	0	0	0	0	0	0
LAM	0|112	0	(0.0-3.3)	P 38	21|3272	0,6	0,4	0	0	0	0,4	1,7
NNIS 0	0|84	0	(0.0-4.4)	P 42	10|2117	0,5	0,4	0	0	0	0	1,5
NNIS 1	0|17	0	(0.0-21.7)	P 44	8|606	1,3	0,6	0	0	0	0	1,2
NNIS 2-3	0|1	0	(0.0-368.9)	P 39	2|62	3,2	1,4	0	0	0	0	0
NNIS unk.	0|10	0	(0.0-36.9)	P 50	1|157	0,6	0,2	0	0	0	0	0
HER	3|138	2,2	(0.4-6.4)	P 90	44|4953	0,9	0,8	0	0	0	1,2	2,3
NNIS 0	1|86	1,2	(0.0-6.5)	P 78	31|3972	0,8	0,8	0	0	0	1,1	2,6
NNIS 1	2|35	5,7	(0.7-20.6)	P 87	10|510	2	2,2	0	0	0	0	7,7
NNIS 2-3	0|1	0	(0.0-368.9)	P 29	0|14	0	0	0	0	0	0	0
NNIS unk.	0|16	0	(0.0-23.1)	P 45	3|309	1	1,8	0	0	0	0	1,4
VS	3|76	3,9	(0.8-11.5)	P 94	74|4483	1,7	1,4	0	0	0,8	2,7	3,4
NNIS 0	2|27	7,4	(0.9-26.8)	P 98	19|1995	1	1	0	0	0	0,9	4,3
NNIS 1	1|33	3	(0.1-16.9)	P 74	42|1825	2,3	2	0	0	0	3,3	6,3
NNIS 2-3	.|. .	. .	(. - .)	P .	7|155	4,5	13,5	0	0	0	0	100
NNIS unk.	0|16	0	(0.0-23.1)	P 46	4|343	1,2	2,4	0	0	0	0	1

(1)-(4) Results for your hospital (1) Number of SSI within 30 days or 1 year if HPRO/KPRO | N of interventions, (2) cumulative incidence=N SSI/100 interventions, (3) 95% confidence interval, (4) Percentile, (5) Reference data BE, N of SSI|N of interventions, (6) BE database mean: global cumulative incidence (%), (7) BE mean of means (equal weight for each hospital),

CABG=Coronary Artery Bypass Graft (=GBGB+CBGC), CHOL=Cholecystectomy, COLO=Colon surgery, CSEC=Caesarian Section, HPRO=Hip Prosthesis, KPRO=Knee Prosthesis, LAM=Laminectomy, HER=Herniorrhaphy, VS=Vascular Surgery

Table III. Incidence density (# in-hospital SSI/1000 post-op pt.days)

	N days (1)	Inc Dens (2)	95% CI (3)	P (4)	BE, N (5)	BE, mean (6)	BE, mean (7)	P10	P25	P50	P75	P90
CABG	.|.	.	(. - .)	P .	45|22110	2	2,3	0	0	0	4,1	10,1
NNIS 0	.|.	.	(. - .)	P .	1|3755	0,3	1,8	0	0	0	0	12,7
NNIS 1	.|.	.	(. - .)	P .	30|14150	2,1	2,4	0	0	0	3,7	11,8
NNIS 2-3	.|.	.	(. - .)	P .	14|4070	3,4	2,7	0	0	0	2,2	15,2
NNIS unk.	.|.	.	(. - .)	P .	0|135	0	0	0	0	0	0	0
CHOL	1|373	2,7	(0.1-14.9)	P 75	3|565	5,3	4,6	0	0	1,3	9,2	15,6
NNIS 0	0|120	0	(0.0-30.7)	P 50	1|227	4,4	2,8	0	0	0	5,6	11,2
NNIS 1	0|52	0	(0.0-70.9)	P 50	1|79	12,7	13,9	0	0	0	41,7	41,7
NNIS 2-3	1|48	20,8	(0.5-116.1)	P100	1|63	15,9	10,4	0	0	10,4	20,8	20,8
NNIS unk.	0|153	0	(0.0-24.1)	P 67	0|196	0	0	0	0	0	0	0
COLO	2|733	2,7	(0.3-9.9)	P 57	104|28246	3,7	4	0	0	2,4	6,4	9,2
NNIS 0	0|130	0	(0.0-28.4)	P 29	43|10514	4,1	4,3	0	0	0	7,1	14,7
NNIS 1	2|358	5,6	(0.7-20.2)	P 80	32|11231	2,8	2,5	0	0	0	5,2	6,6
NNIS 2-3	0|53	0	(0.0-69.6)	P 36	22|4953	4,4	5,5	0	0	0	4,1	20,9
NNIS unk.	0|192	0	(0.0-19.2)	P 39	6|1548	3,9	4,9	0	0	0	2,2	26,7
CSEC	.|.	.	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 0	.|.	.	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 1	.|.	.	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS 2-3	.|.	.	(. - .)	P .	0|0	.	.	.	.	.	.	.
NNIS unk.	.|.	.	(. - .)	P .	0|0	.	.	.	.	.	.	.
HPRO	1|1975	0,5	(0.0-2.8)	P 68	30|39234	0,8	0,9	0	0	0	1,1	2,4
NNIS 0	0|561	0	(0.0-6.6)	P 40	15|17478	0,9	0,9	0	0	0	0	2,6
NNIS 1	1|669	1,5	(0.0-8.3)	P 85	10|16395	0,6	0,6	0	0	0	0	2,5
NNIS 2-3	0|273	0	(0.0-13.5)	P 48	3|3117	1	1,1	0	0	0	0	0
NNIS unk.	0|472	0	(0.0-7.8)	P 47	2|2244	0,9	0,2	0	0	0	0	1,5
KPRO	0|1616	0	(0.0-2.3)	P 50	1|3093	0,3	0,5	0	0	0	1,4	1,4
NNIS 0	0|602	0	(0.0-6.1)	P 67	0|1095	0	0	0	0	0	0	0
NNIS 1	0|753	0	(0.0-4.9)	P 67	0|1327	0	0	0	0	0	0	0
NNIS 2-3	0|122	0	(0.0-30.2)	P 50	1|230	4,3	4,8	0	0	0	14,3	14,3
NNIS unk.	0|139	0	(0.0-26.5)	P 75	0|441	0	0	0	0	0	0	0
LAM	0|952	0	(0.0-3.9)	P 43	12|18781	0,6	0,3	0	0	0	0	1,3
NNIS 0	0|658	0	(0.0-5.6)	P 46	4|11550	0,3	0,2	0	0	0	0	0,6
NNIS 1	0|192	0	(0.0-19.2)	P 48	5|5107	1	0,4	0	0	0	0	0
NNIS 2-3	0|9	0	(0.0-409.9)	P 47	3|1138	2,6	0,9	0	0	0	0	7,4
NNIS unk.	0|93	0	(0.0-39.7)	P 55	0|986	0	0	0	0	0	0	0
HER	1|728	1,4	(0.0-7.7)	P 93	10|15500	0,6	0,4	0	0	0	0	1,2
NNIS 0	0|284	0	(0.0-13.0)	P 49	5|11751	0,4	0,2	0	0	0	0	0
NNIS 1	1|341	2,9	(0.1-16.3)	P 90	5|2521	2	1,1	0	0	0	0	5,3
NNIS 2-3	0|5	0	(0.0-737.8)	P 56	0|203	0	0	0	0	0	0	0
NNIS unk.	0|98	0	(0.0-37.6)	P 53	0|1019	0	0	0	0	0	0	0
VS	3|992	3	(0.6-8.8)	P 88	51|33405	1,5	1,2	0	0	0,3	2,1	3,1
NNIS 0	2|437	4,6	(0.6-16.5)	P 98	11|12458	0,9	0,6	0	0	0	0	2,5
NNIS 1	1|372	2,7	(0.1-15.0)	P 76	28|16667	1,7	1,5	0	0	0	2,7	4,4
NNIS 2-3	.|.	.	(. - .)	P .	7|1842	3,8	6	0	0	0	3,3	33,3
NNIS unk.	0|183	0	(0.0-20.2)	P 48	3|2438	1,2	0,2	0	0	0	0	0

(1)-(4) Results for your hospital (1) Number of in-hospital SSI | N of post-operative patient-days in hospital,
 (2) Inc Dens=incidence density=N in-hospital SSI/1000 post-op pt.days, (3) 95% confidence interval, (4) Percentile,
 (5) Reference data BE, N of in-hosp SSI|N of post-op. pt.days, (6) BE database mean: global incidence density,
 (7) BE mean of means (equal weight for each hospital)

CABG=Coronary Artery Bypass Graft (=GBGB+CBGC), CHOL=Cholecystectomy, COLO=Colon surgery,
 CSEC=Caesarian Section, HPRO=Hip Prosthesis, KPRO=Knee Prosthesis, LAM=Laminectomy
 HER=Herniorrhaphy, VS=Vascular Surgery

Table IV.1. Distribution of micro-organisms , CABG

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
CABG					
Total N (a)	0	.	84		3
N of identified micro-organisms (b)	0	.	80		
Gram-positive cocci	0	.	6	7,5	
STAPHYLOCOCCUS AUREUS	0	.	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	.	0	0	
ENTEROCOCCUS SPECIES	0	.	0	0	
STREPTOCOCCUS SPECIES	0	.	6	7,5	
OTHER GRAM-POSITIVE COCCI	0	.	0	0	
Gram-negative cocci	0	.	0	0	
Gram-positive bacilli	0	.	4	5	
Gram-negative bacilli, enterobacteriaceae	0	.	20	25	
ESCHERICHIA COLI	0	.	0	0	
KLEBSIELLA SPECIES	0	.	4	5	
ENTEROBACTER SPECIES	0	.	9	11,3	
PROTEUS SPECIES	0	.	6	7,5	
CITROBACTER SPECIES	0	.	1	1,3	
SERRATIA SPECIES	0	.	0	0	
OTHER ENTEROBACTERIACEAE	0	.	0	0	
Gram-negative bacilli, non-enterobact.	0	.	0	0	
PSEUDOMONAS AERUGINOSA	0	.	0	0	
ACINETOBACTER SPECIES	0	.	0	0	
S. MALTOPHILIA	0	.	0	0	
OTHER PSEUDOMONADACEAE	0	.	0	0	
HAEMOPHILUS SPECIES	0	.	0	0	
OTHER GRAM-NEG BACILLI	0	.	0	0	
Anaerobic bacilli	0	.	0	0	
BACTEROIDES SPECIES	0	.	0	0	
OTHER ANAEROBES	0	.	0	0	
Other bacteria	0	.	0	0	
Fungi/parasites	0	.	0	0	
CANDIDA SPECIES	0	.	0	0	
ASPERGILLUS SPECIES	0	.	0	0	
OTHER FUNGI/PARASITES	0	.	0	0	
Micro-organism not identified	0	.	0	0	
Examination not done	0	.	0	0	
Sterile examination	0	.	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.2. Distribution of micro-organisms , CHOL

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
CHOL					
Total N (a)	1		3		2
N of identified micro-organisms (b)	1		3		
Gram-positive cocci	0	0	0	0	
STAPHYLOCOCCUS AUREUS	0	0	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	0	0	0	
ENTEROCOCCUS SPECIES	0	0	0	0	
STREPTOCOCCUS SPECIES	0	0	0	0	
OTHER GRAM-POSITIVE COCCI	0	0	0	0	
Gram-negative cocci	0	0	0	0	
Gram-positive bacilli	0	0	0	0	
Gram-negative bacilli, enterobacteriaceae	0	0	1	33,3	
ESCHERICHIA COLI	0	0	0	0	
KLEBSIELLA SPECIES	0	0	1	33,3	
ENTEROBACTER SPECIES	0	0	0	0	
PROTEUS SPECIES	0	0	0	0	
CITROBACTER SPECIES	0	0	0	0	
SERRATIA SPECIES	0	0	0	0	
OTHER ENTEROBACTERIACEAE	0	0	0	0	
Gram-negative bacilli, non-enterobact.	0	0	0	0	
PSEUDOMONAS AERUGINOSA	0	0	0	0	
ACINETOBACTER SPECIES	0	0	0	0	
S. MALTOPHILIA	0	0	0	0	
OTHER PSEUDOMONADACEAE	0	0	0	0	
HAEMOPHILUS SPECIES	0	0	0	0	
OTHER GRAM-NEG BACILLI	0	0	0	0	
Anaerobic bacilli	0	0	0	0	
BACTEROIDES SPECIES	0	0	0	0	
OTHER ANAEROBES	0	0	0	0	
Other bacteria	0	0	0	0	
Fungi/parasites	0	0	0	0	
CANDIDA SPECIES	0	0	0	0	
ASPERGILLUS SPECIES	0	0	0	0	
OTHER FUNGI/PARASITES	0	0	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.3. Distribution of micro-organisms , COLO

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
COLO					
Total N (a)	1		114		22
N of identified micro-organisms (b)	1		109		
Gram-positive cocci	0	0	13	11,9	
STAPHYLOCOCCUS AUREUS	0	0	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	0	0	0	
ENTEROCOCCUS SPECIES	0	0	9	8,3	
STREPTOCOCCUS SPECIES	0	0	4	3,7	
OTHER GRAM-POSITIVE COCCI	0	0	0	0	
Gram-negative cocci	0	0	0	0	
Gram-positive bacilli	0	0	0	0	
Gram-negative bacilli, enterobacteriaceae	1	100	17	15,6	
ESCHERICHIA COLI	0	0	0	0	
KLEBSIELLA SPECIES	0	0	0	0	
ENTEROBACTER SPECIES	0	0	4	3,7	
PROTEUS SPECIES	0	0	5	4,6	
CITROBACTER SPECIES	0	0	2	1,8	
SERRATIA SPECIES	0	0	1	0,9	
OTHER ENTEROBACTERIACEAE	1	100	5	4,6	
Gram-negative bacilli, non-enterobact.	0	0	0	0	
PSEUDOMONAS AERUGINOSA	0	0	0	0	
ACINETOBACTER SPECIES	0	0	0	0	
S. MALTOPHILIA	0	0	0	0	
OTHER PSEUDOMONADACEAE	0	0	0	0	
HAEMOPHILUS SPECIES	0	0	0	0	
OTHER GRAM-NEG BACILLI	0	0	0	0	
Anaerobic bacilli	0	0	8	7,3	
BACTEROIDES SPECIES	0	0	8	7,3	
OTHER ANAEROBES	0	0	1	0,9	
Other bacteria	0	0	0	0	
Fungi/parasites	0	0	2	1,8	
CANDIDA SPECIES	0	0	0	0	
ASPERGILLUS SPECIES	0	0	2	1,8	
OTHER FUNGI/PARASITES	0	0	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.4. Distribution of micro-organisms , CSEC

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
CSEC					
Total N (a)	0		0		0
N of identified micro-organisms (b)	0		0		
Gram-positive cocci	0	.	0	.	
STAPHYLOCOCCUS AUREUS	0	.	0	.	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	.	0	.	
ENTEROCOCCUS SPECIES	0	.	0	.	
STREPTOCOCCUS SPECIES	0	.	0	.	
OTHER GRAM-POSITIVE COCCI	0	.	0	.	
Gram-negative cocci	0	.	0	.	
Gram-positive bacilli	0	.	0	.	
Gram-negative bacilli, enterobacteriaceae	0	.	0	.	
ESCHERICHIA COLI	0	.	0	.	
KLEBSIELLA SPECIES	0	.	0	.	
ENTEROBACTER SPECIES	0	.	0	.	
PROTEUS SPECIES	0	.	0	.	
CITROBACTER SPECIES	0	.	0	.	
SERRATIA SPECIES	0	.	0	.	
OTHER ENTEROBACTERIACEAE	0	.	0	.	
Gram-negative bacilli, non-enterobact.	0	.	0	.	
PSEUDOMONAS AERUGINOSA	0	.	0	.	
ACINETOBACTER SPECIES	0	.	0	.	
S. MALTOPHILIA	0	.	0	.	
OTHER PSEUDOMONADACEAE	0	.	0	.	
HAEMOPHILUS SPECIES	0	.	0	.	
OTHER GRAM-NEG BACILLI	0	.	0	.	
Anaerobic bacilli	0	.	0	.	
BACTEROIDES SPECIES	0	.	0	.	
OTHER ANAEROBES	0	.	0	.	
Other bacteria	0	.	0	.	
Fungi/parasites	0	.	0	.	
CANDIDA SPECIES	0	.	0	.	
ASPERGILLUS SPECIES	0	.	0	.	
OTHER FUNGI/PARASITES	0	.	0	.	
Micro-organism not identified	0	.	0	.	
Examination not done	0	.	0	.	
Sterile examination	0	.	0	.	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.5. Distribution of micro-organisms , HPRO

Intervention Micro-organism	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
HPRO					
Total N (a)	1		41		15
N of identified micro-organisms (b)	1		40		
Gram-positive cocci	1	100	11	27,5	
STAPHYLOCOCCUS AUREUS	0	0	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	0	0	0	
ENTEROCOCCUS SPECIES	1	100	9	22,5	
STREPTOCOCCUS SPECIES	0	0	2	5	
OTHER GRAM-POSITIVE COCCI	0	0	0	0	
Gram-negative cocci	0	0	0	0	
Gram-positive bacilli	0	0	0	0	
Gram-negative bacilli, enterobacteriaceae	0	0	8	20	
ESCHERICHIA COLI	0	0	0	0	
KLEBSIELLA SPECIES	0	0	1	2,5	
ENTEROBACTER SPECIES	0	0	1	2,5	
PROTEUS SPECIES	0	0	4	10	
CITROBACTER SPECIES	0	0	0	0	
SERRATIA SPECIES	0	0	1	2,5	
OTHER ENTEROBACTERIACEAE	0	0	1	2,5	
Gram-negative bacilli, non-enterobact.	0	0	4	10	
PSEUDOMONAS AERUGINOSA	0	0	0	0	
ACINETOBACTER SPECIES	0	0	4	10	
S. MALTOPHILIA	0	0	0	0	
OTHER PSEUDOMONADACEAE	0	0	0	0	
HAEMOPHILUS SPECIES	0	0	0	0	
OTHER GRAM-NEG BACILLI	0	0	0	0	
Anaerobic bacilli	0	0	0	0	
BACTEROIDES SPECIES	0	0	0	0	
OTHER ANAEROBES	0	0	0	0	
Other bacteria	0	0	0	0	
Fungi/parasites	0	0	0	0	
CANDIDA SPECIES	0	0	0	0	
ASPERGILLUS SPECIES	0	0	0	0	
OTHER FUNGI/PARASITES	0	0	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.6. Distribution of micro-organisms , KPRO

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
KPRO					
Total N (a)	1		1		1
N of identified micro-organisms (b)	1		1		
Gram-positive cocci	0	0	0	0	
STAPHYLOCOCCUS AUREUS	0	0	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	0	0	0	
ENTEROCOCCUS SPECIES	0	0	0	0	
STREPTOCOCCUS SPECIES	0	0	0	0	
OTHER GRAM-POSITIVE COCCI	0	0	0	0	
Gram-negative cocci	0	0	0	0	
Gram-positive bacilli	0	0	0	0	
Gram-negative bacilli, enterobacteriaceae	0	0	0	0	
ESCHERICHIA COLI	0	0	0	0	
KLEBSIELLA SPECIES	0	0	0	0	
ENTEROBACTER SPECIES	0	0	0	0	
PROTEUS SPECIES	0	0	0	0	
CITROBACTER SPECIES	0	0	0	0	
SERRATIA SPECIES	0	0	0	0	
OTHER ENTEROBACTERIACEAE	0	0	0	0	
Gram-negative bacilli, non-enterobact.	0	0	0	0	
PSEUDOMONAS AERUGINOSA	0	0	0	0	
ACINETOBACTER SPECIES	0	0	0	0	
S. MALTOPHILIA	0	0	0	0	
OTHER PSEUDOMONADACEAE	0	0	0	0	
HAEMOPHILUS SPECIES	0	0	0	0	
OTHER GRAM-NEG BACILLI	0	0	0	0	
Anaerobic bacilli	0	0	0	0	
BACTEROIDES SPECIES	0	0	0	0	
OTHER ANAEROBES	0	0	0	0	
Other bacteria	0	0	0	0	
Fungi/parasites	0	0	0	0	
CANDIDA SPECIES	0	0	0	0	
ASPERGILLUS SPECIES	0	0	0	0	
OTHER FUNGI/PARASITES	0	0	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.7. Distribution of micro-organisms , LAM

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
LAM					
Total N (a)	0	.	15		6
N of identified micro-organisms (b)	0	.	15		
Gram-positive cocci	0	.	1	6,7	
STAPHYLOCOCCUS AUREUS	0	.	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	.	0	0	
ENTEROCOCCUS SPECIES	0	.	0	0	
STREPTOCOCCUS SPECIES	0	.	1	6,7	
OTHER GRAM-POSITIVE COCCI	0	.	0	0	
Gram-negative cocci	0	.	0	0	
Gram-positive bacilli	0	.	0	0	
Gram-negative bacilli, enterobacteriaceae	0	.	2	13,3	
ESCHERICHIA COLI	0	.	0	0	
KLEBSIELLA SPECIES	0	.	0	0	
ENTEROBACTER SPECIES	0	.	2	13,3	
PROTEUS SPECIES	0	.	0	0	
CITROBACTER SPECIES	0	.	0	0	
SERRATIA SPECIES	0	.	0	0	
OTHER ENTEROBACTERIACEAE	0	.	0	0	
Gram-negative bacilli, non-enterobact.	0	.	0	0	
PSEUDOMONAS AERUGINOSA	0	.	0	0	
ACINETOBACTER SPECIES	0	.	0	0	
S. MALTOPHILIA	0	.	0	0	
OTHER PSEUDOMONADACEAE	0	.	0	0	
HAEMOPHILUS SPECIES	0	.	0	0	
OTHER GRAM-NEG BACILLI	0	.	0	0	
Anaerobic bacilli	0	.	0	0	
BACTEROIDES SPECIES	0	.	0	0	
OTHER ANAEROBES	0	.	1	6,7	
Other bacteria	0	.	0	0	
Fungi/parasites	0	.	0	0	
CANDIDA SPECIES	0	.	0	0	
ASPERGILLUS SPECIES	0	.	0	0	
OTHER FUNGI/PARASITES	0	.	0	0	
Micro-organism not identified	0	.	0	0	
Examination not done	0	.	0	0	
Sterile examination	0	.	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.8. Distribution of micro-organisms , HER

Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
HER					
Total N (a)	2		18		9
N of identified micro-organisms (b)	2		17		
Gram-positive cocci	0	0	2	11,8	
STAPHYLOCOCCUS AUREUS	0	0	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	0	0	0	
ENTEROCOCCUS SPECIES	0	0	1	5,9	
STREPTOCOCCUS SPECIES	0	0	1	5,9	
OTHER GRAM-POSITIVE COCCI	0	0	0	0	
Gram-negative cocci	0	0	0	0	
Gram-positive bacilli	0	0	0	0	
Gram-negative bacilli, enterobacteriaceae	0	0	1	5,9	
ESCHERICHIA COLI	0	0	0	0	
KLEBSIELLA SPECIES	0	0	0	0	
ENTEROBACTER SPECIES	0	0	0	0	
PROTEUS SPECIES	0	0	1	5,9	
CITROBACTER SPECIES	0	0	0	0	
SERRATIA SPECIES	0	0	0	0	
OTHER ENTEROBACTERIACEAE	0	0	0	0	
Gram-negative bacilli, non-enterobact.	0	0	0	0	
PSEUDOMONAS AERUGINOSA	0	0	0	0	
ACINETOBACTER SPECIES	0	0	0	0	
S. MALTOPHILIA	0	0	0	0	
OTHER PSEUDOMONADACEAE	0	0	0	0	
HAEMOPHILUS SPECIES	0	0	0	0	
OTHER GRAM-NEG BACILLI	0	0	0	0	
Anaerobic bacilli	0	0	2	11,8	
BACTEROIDES SPECIES	0	0	2	11,8	
OTHER ANAEROBES	1	50	1	5,9	
Other bacteria	0	0	0	0	
Fungi/parasites	0	0	0	0	
CANDIDA SPECIES	0	0	0	0	
ASPERGILLUS SPECIES	0	0	0	0	
OTHER FUNGI/PARASITES	0	0	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

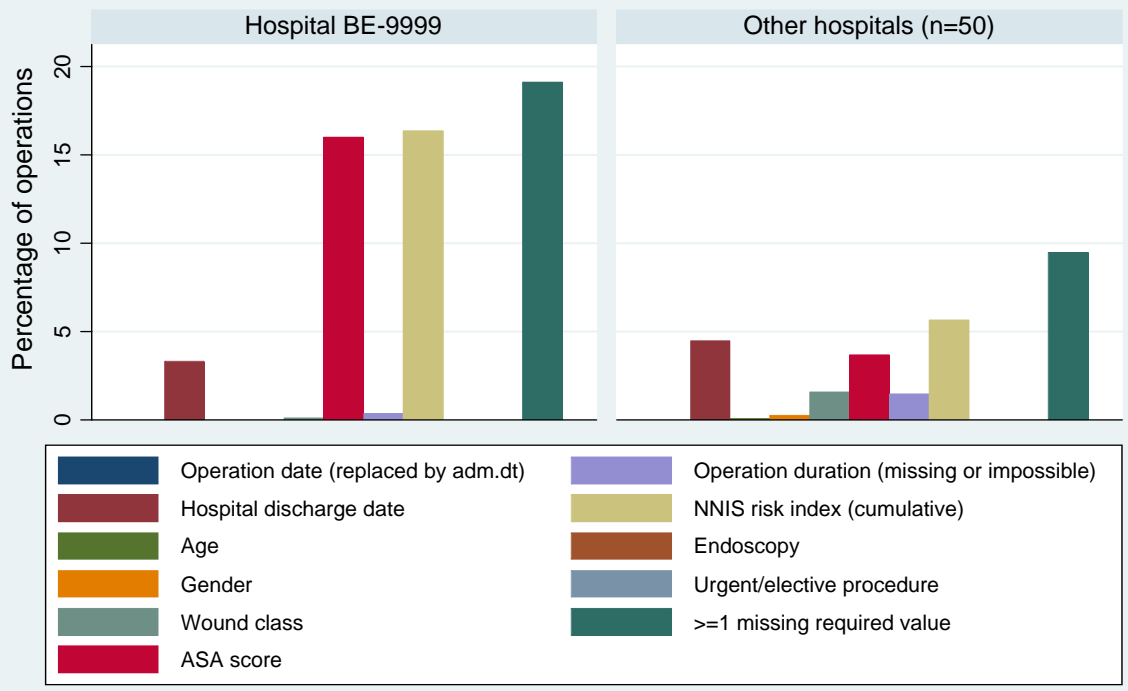
(2) % MRSA/SA was determined on the total of SA with known AB susceptibility

Table IV.9. Distribution of micro-organisms , VS

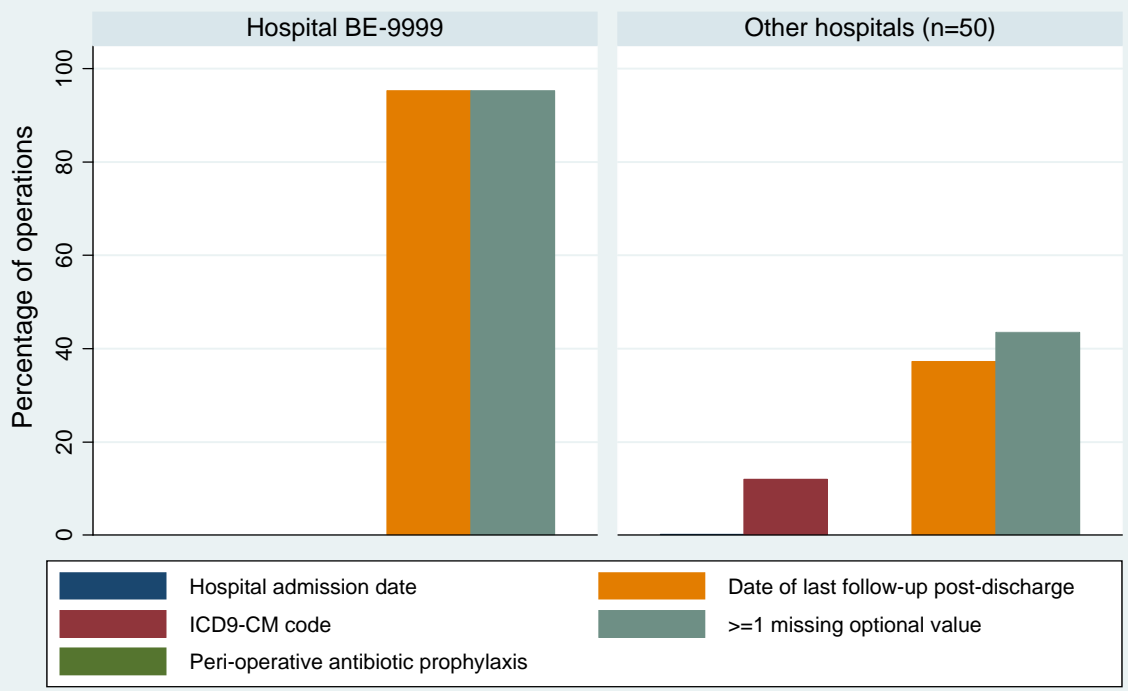
Intervention	Hospital 9999		All hospitals BE		
	n	'% (1)	n	'%	N hosp
VS					
Total N (a)	1		69		18
N of identified micro-organisms (b)	0		67		
Gram-positive cocci	0	.	7	10,4	
STAPHYLOCOCCUS AUREUS	0	.	0	0	
MRSA (2)	0	.	0	.	
COAG-NEG STAPHYLOCOCCI (CNS)	0	.	0	0	
ENTEROCOCCUS SPECIES	0	.	5	7,5	
STREPTOCOCCUS SPECIES	0	.	2	3	
OTHER GRAM-POSITIVE COCCI	0	.	0	0	
Gram-negative cocci	0	.	0	0	
Gram-positive bacilli	0	.	0	0	
Gram-negative bacilli, enterobacteriaceae	0	.	14	20,9	
ESCHERICHIA COLI	0	.	0	0	
KLEBSIELLA SPECIES	0	.	2	3	
ENTEROBACTER SPECIES	0	.	6	9	
PROTEUS SPECIES	0	.	6	9	
CITROBACTER SPECIES	0	.	0	0	
SERRATIA SPECIES	0	.	0	0	
OTHER ENTEROBACTERIACEAE	0	.	0	0	
Gram-negative bacilli, non-enterobact.	0	.	1	1,5	
PSEUDOMONAS AERUGINOSA	0	.	0	0	
ACINETOBACTER SPECIES	0	.	0	0	
S. MALTOPHILIA	0	.	0	0	
OTHER PSEUDOMONADACEAE	0	.	0	0	
HAEMOPHILUS SPECIES	0	.	1	1,5	
OTHER GRAM-NEG BACILLI	0	.	0	0	
Anaerobic bacilli	0	.	1	1,5	
BACTEROIDES SPECIES	0	.	1	1,5	
OTHER ANAEROBES	0	.	0	0	
Other bacteria	0	.	0	0	
Fungi/parasites	0	.	1	1,5	
CANDIDA SPECIES	0	.	1	1,5	
ASPERGILLUS SPECIES	0	.	0	0	
OTHER FUNGI/PARASITES	0	.	0	0	
Micro-organism not identified	0	0	0	0	
Examination not done	0	0	0	0	
Sterile examination	0	0	0	0	

(1) Percentage of total (b) for micro-organisms, % of total (a) for unidentified, not examined or sterile

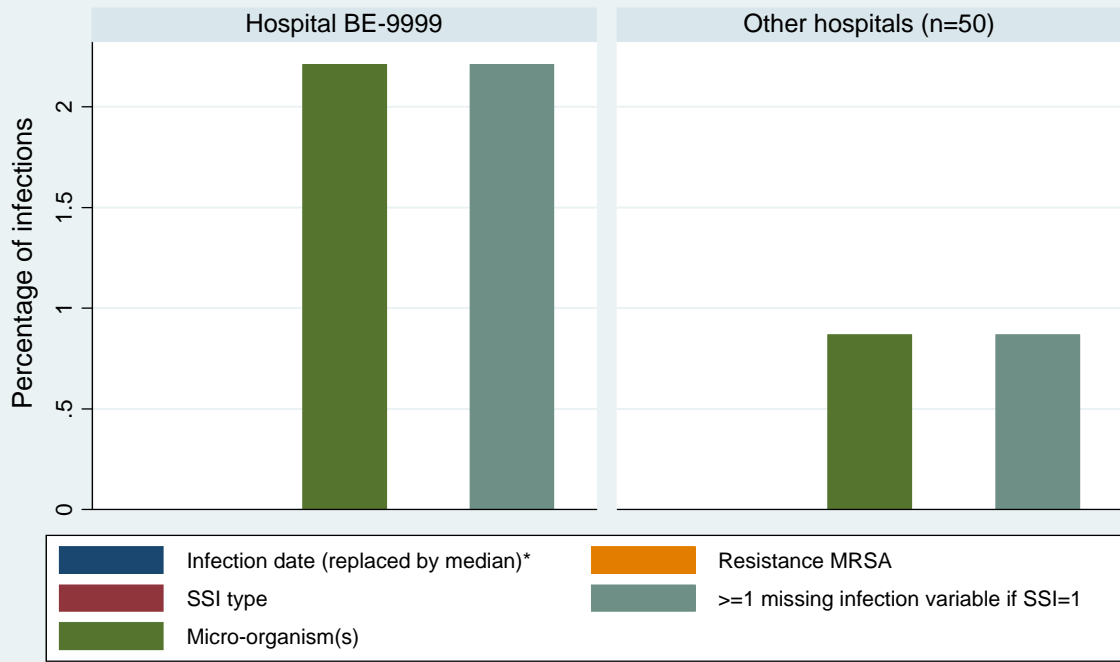
(2) % MRSA/SA was determined on the total of SA with known AB susceptibility



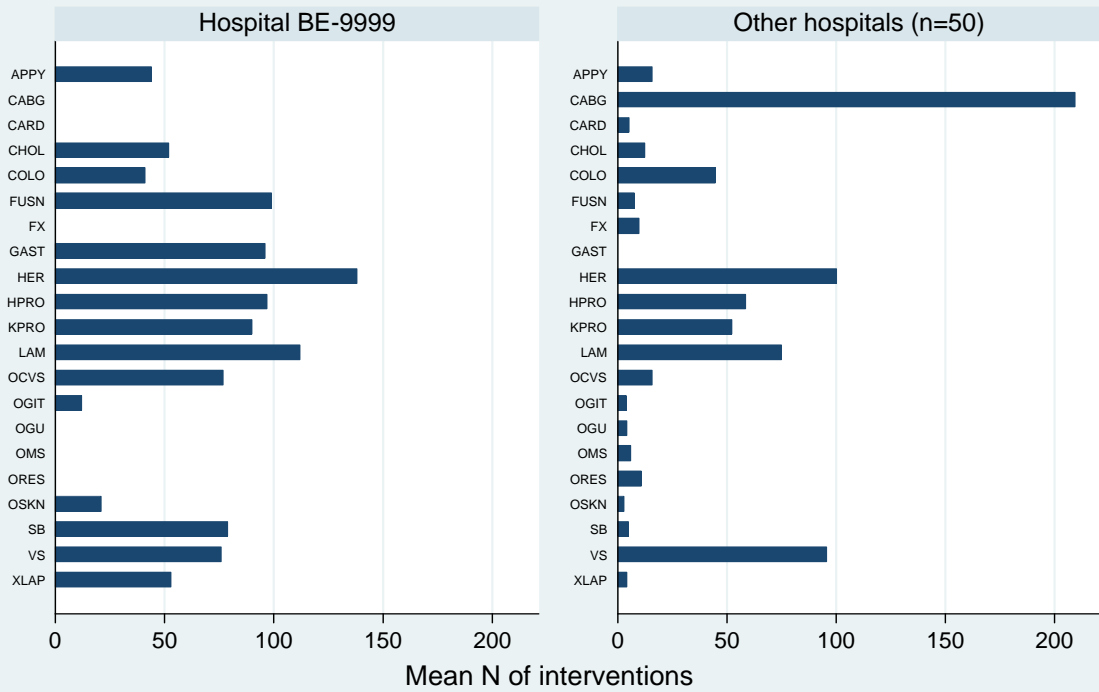
Graph 1 : Data quality check I. % of missing values for required variables



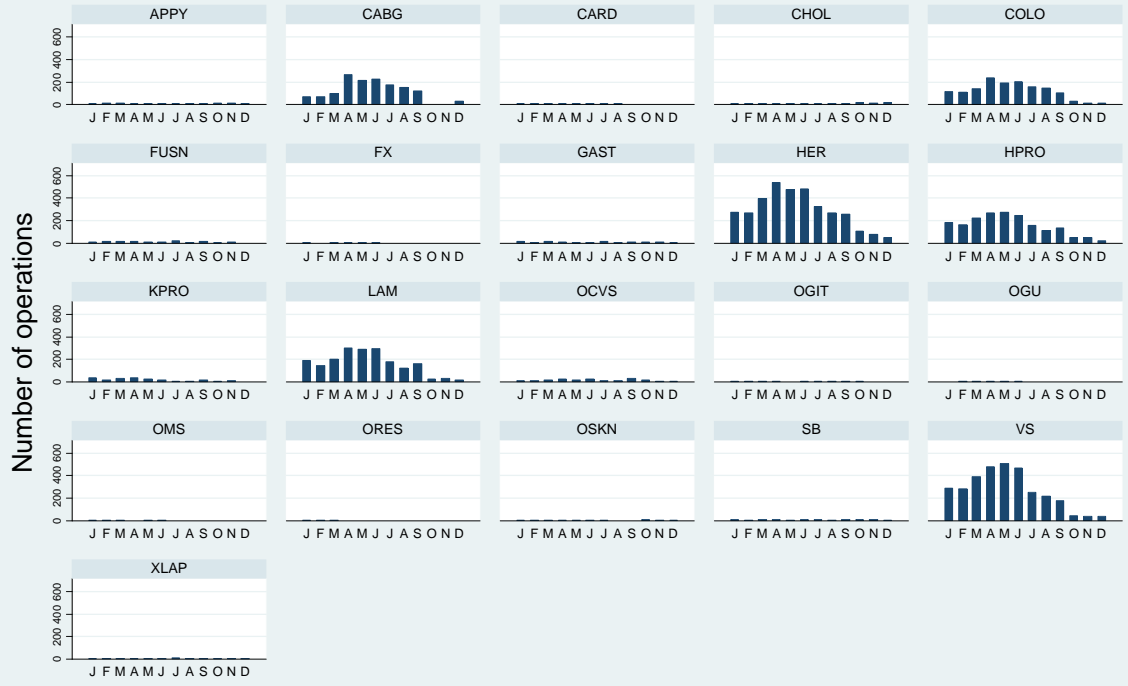
Graph 2 : Data quality check II. % of missing values for optional variables



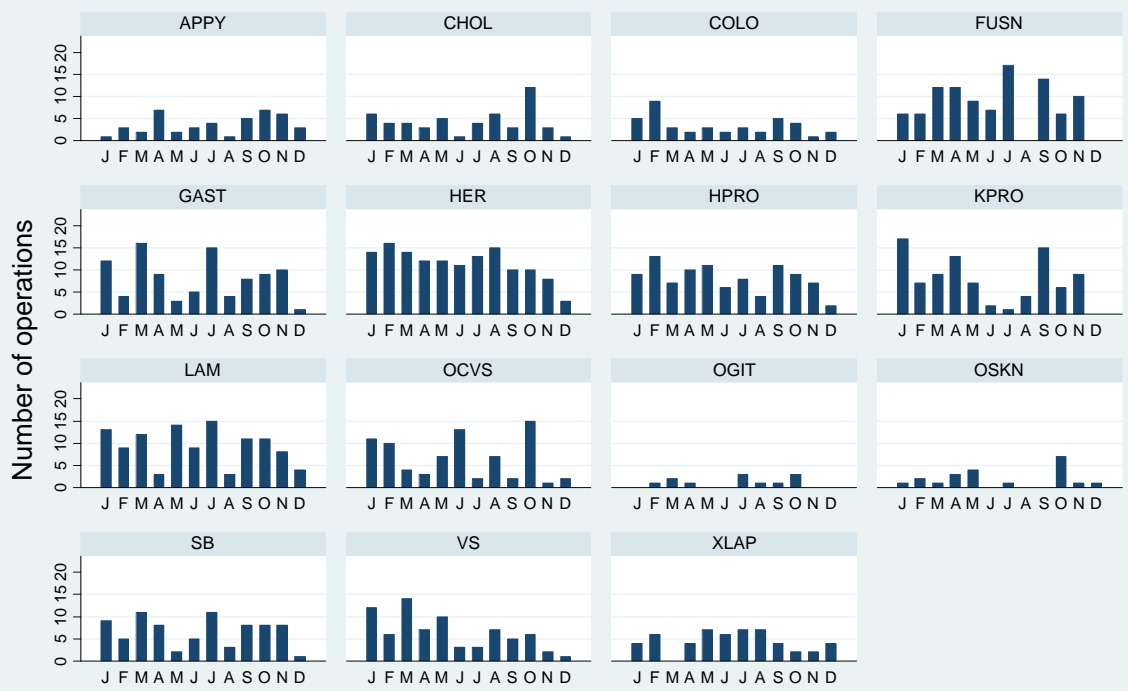
Graph 3 : Data quality check III. % of missing values for infection data
 *infection date=op.dt + median time to infection by operation category



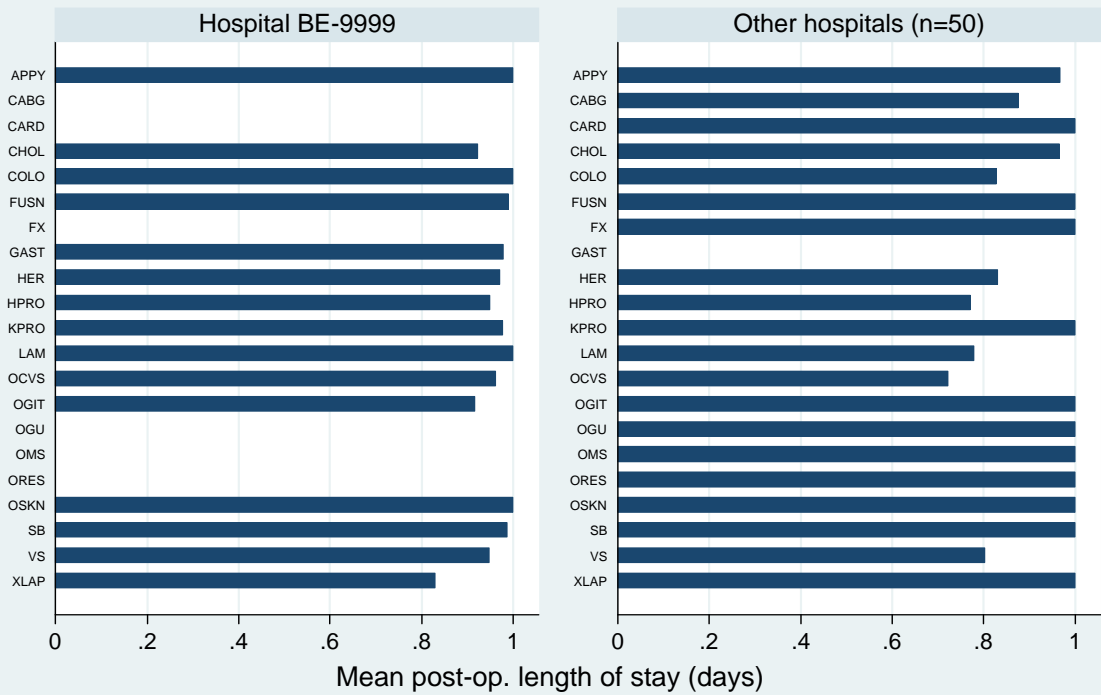
Graph 4 : Mean number of interventions by operation category



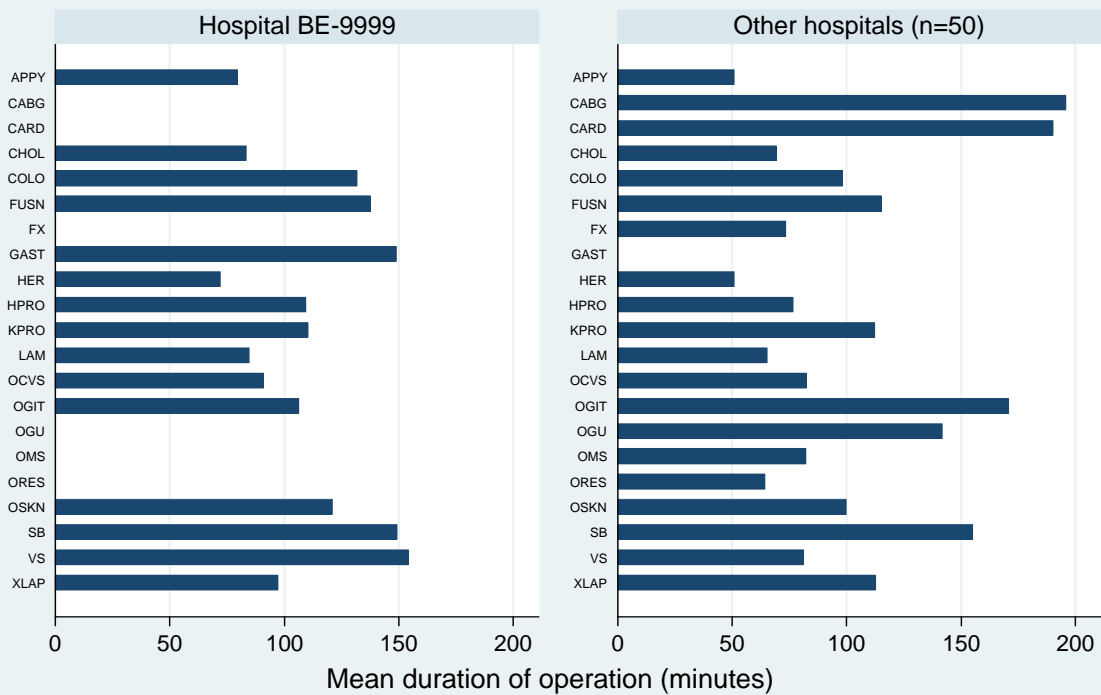
Graph 5 : N of operations per month, by category, all hospitals (n=37)



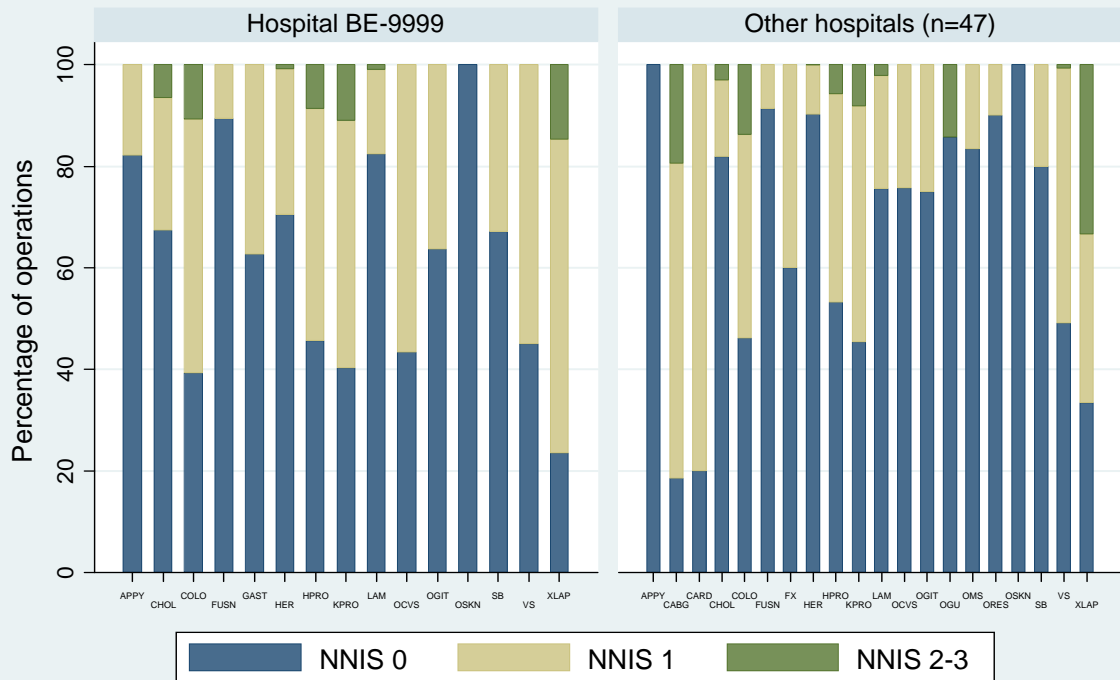
Graph 6 : N of operations per month, by category, hospital 9999



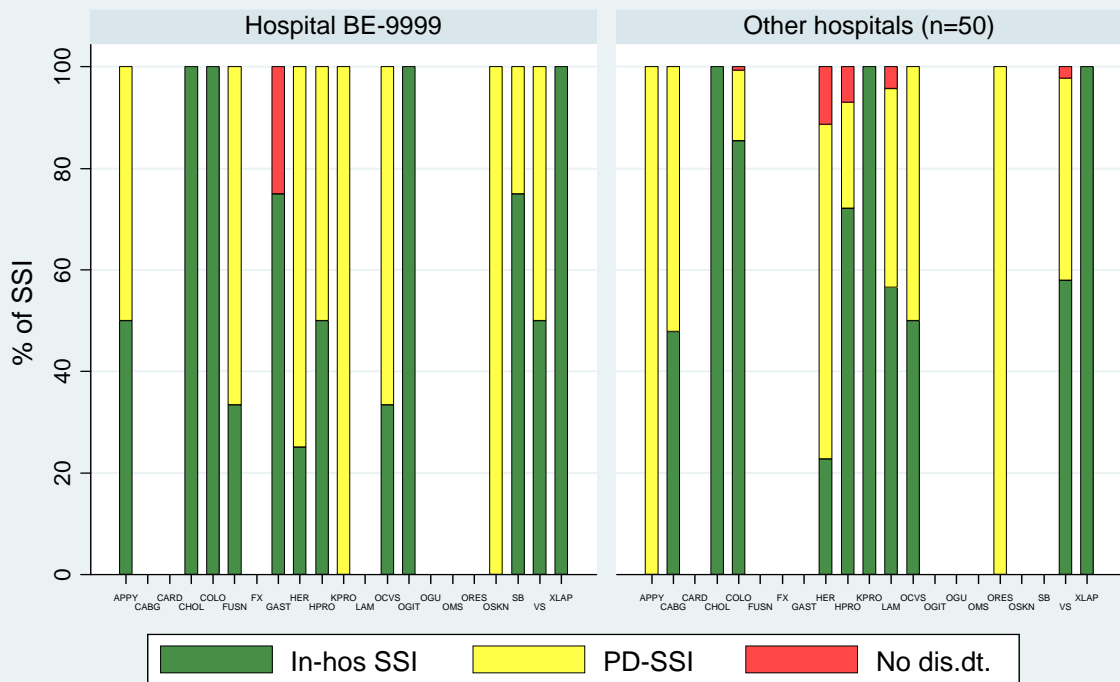
Graph 7 : Mean length of post-operative stay (in days) by operation category



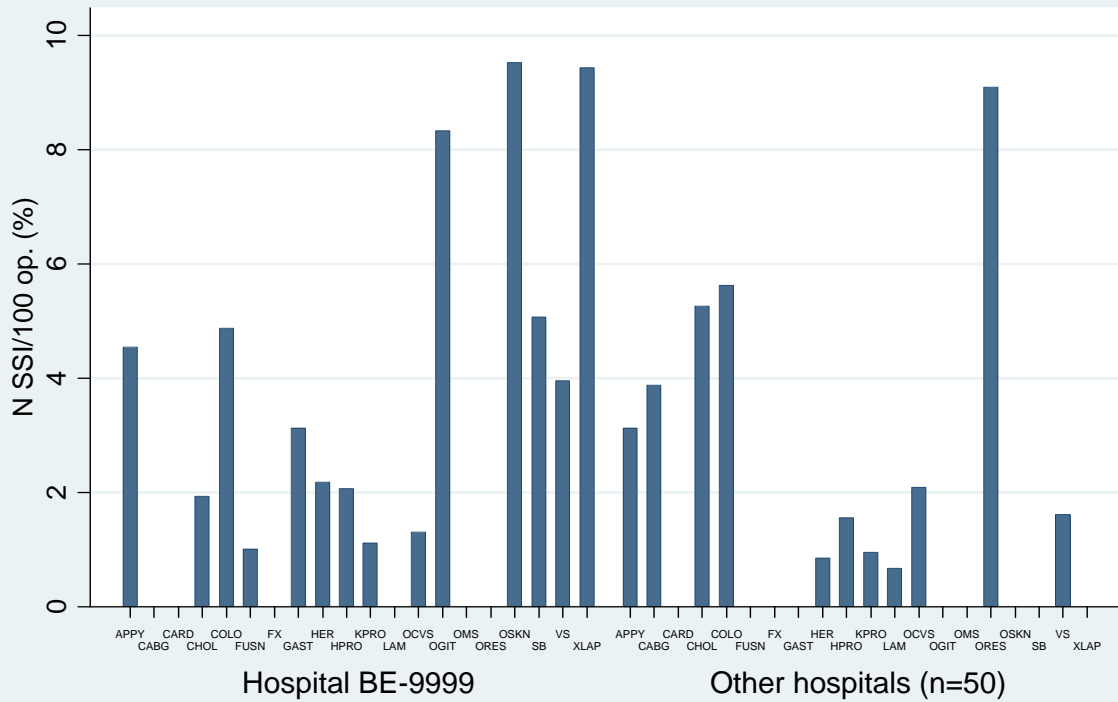
Graph 8 : Mean duration of operation (in minutes) by operation category



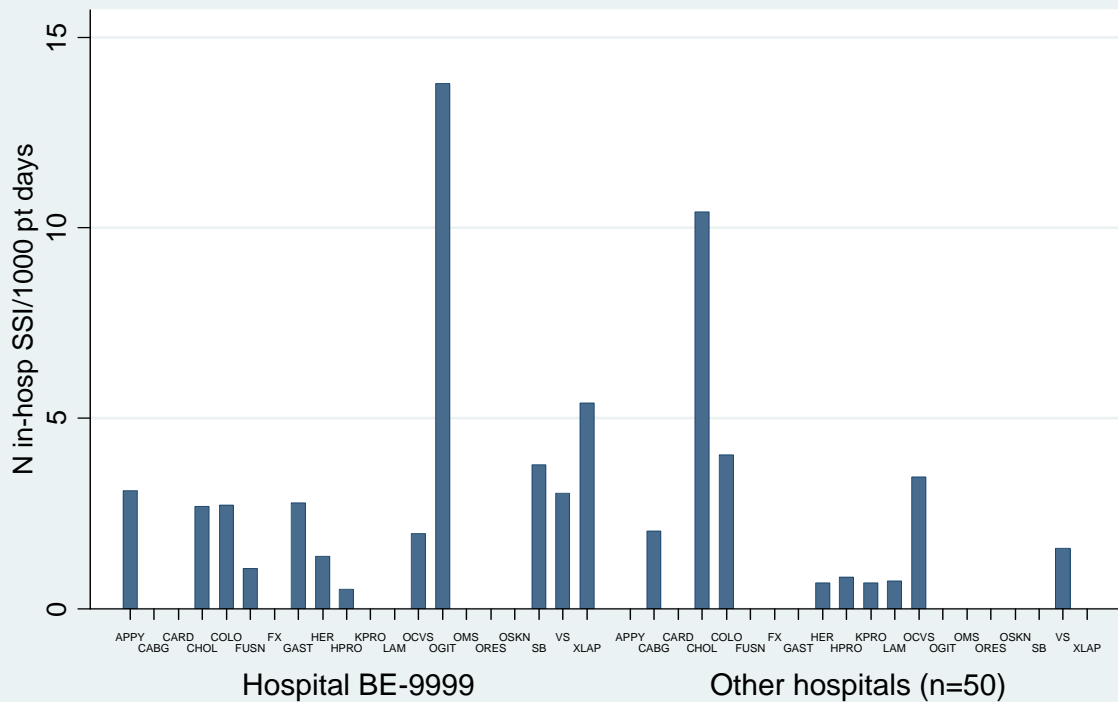
Graph 9 : Distribution of NNIS risk index by operation category



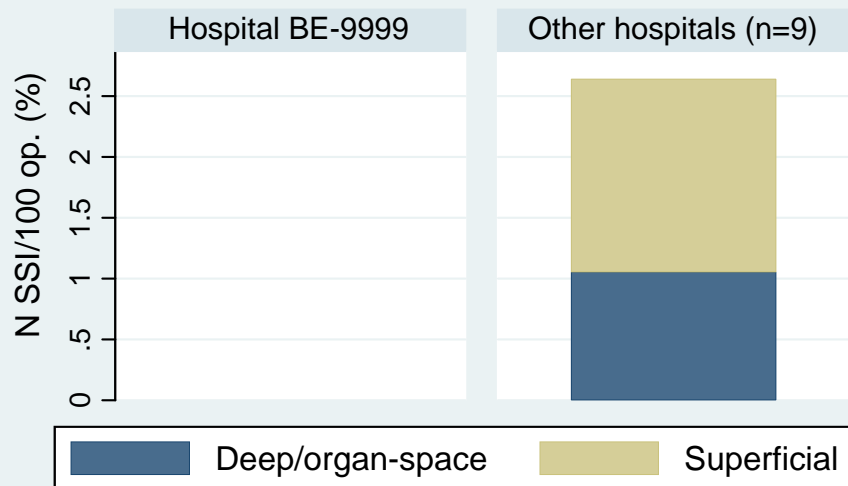
Graph 10 : % of SSI detected in the hospital (in-hos), post-discharge (PD) or unknown (missing discharge date)



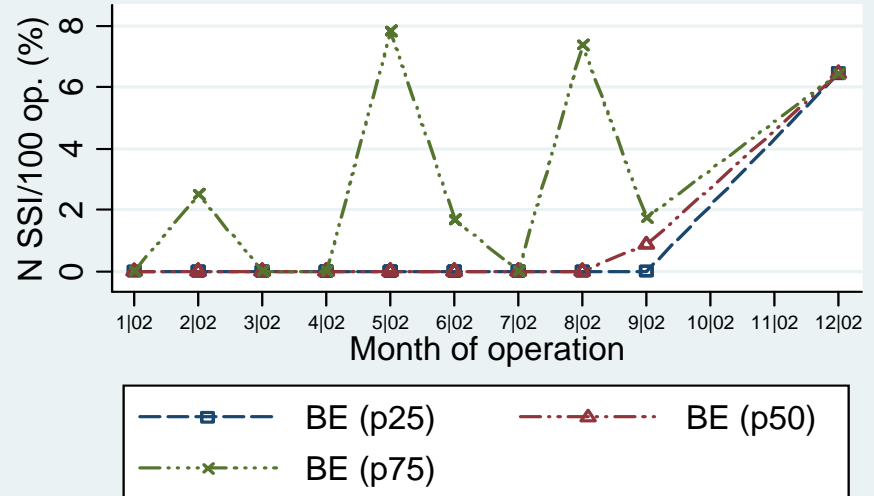
Graph 11 : Mean SSI cumulative incidence (n SSI/100 interventions)



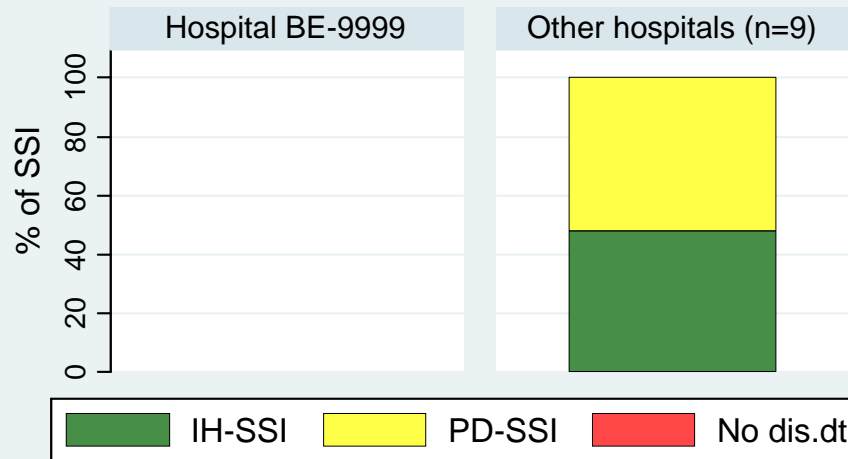
Graph 12 : Mean SSI incidence density (n in-hospital SSI/1000 pt-d)



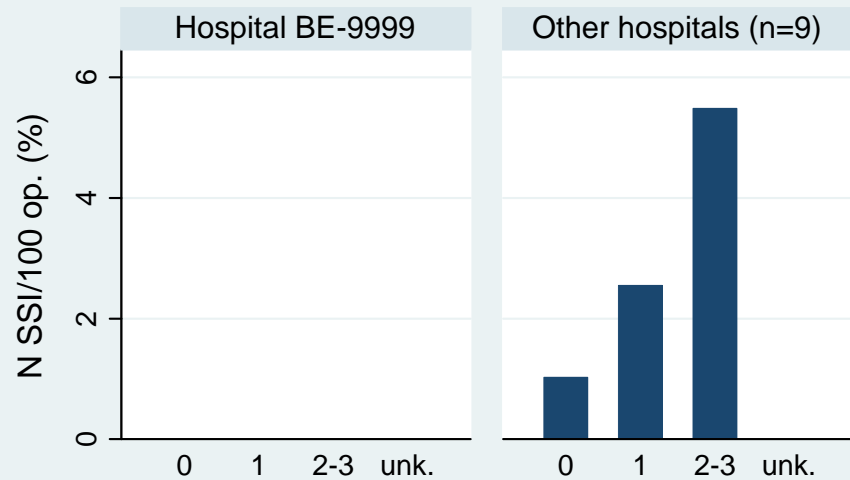
CABG A : SSI cumulative incidence (n SSI per 100 operations)



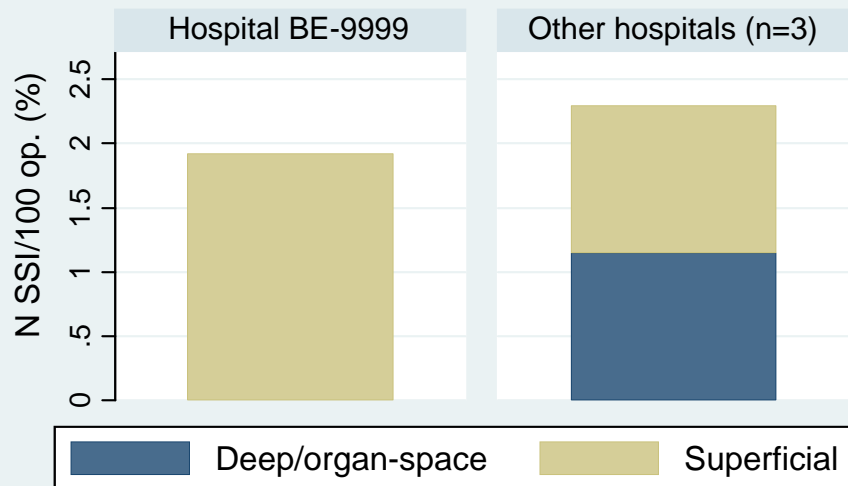
CABG C : SSI cumulative incidence (%) per month



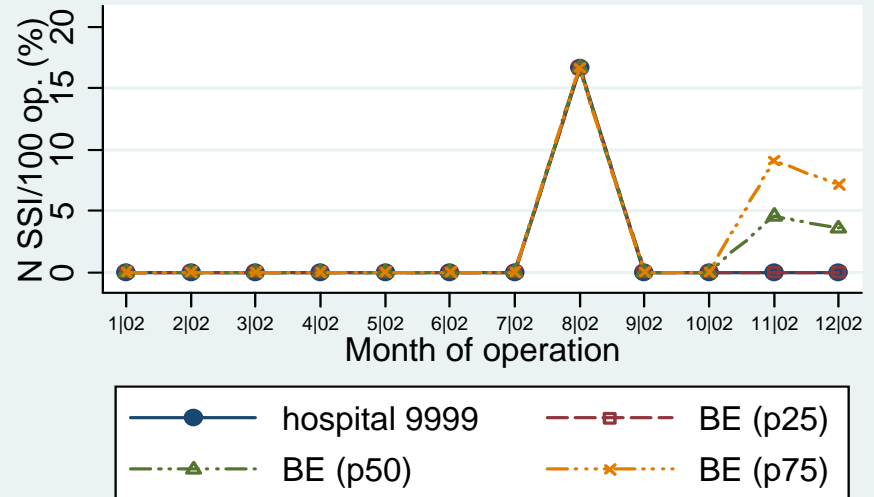
CABG B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



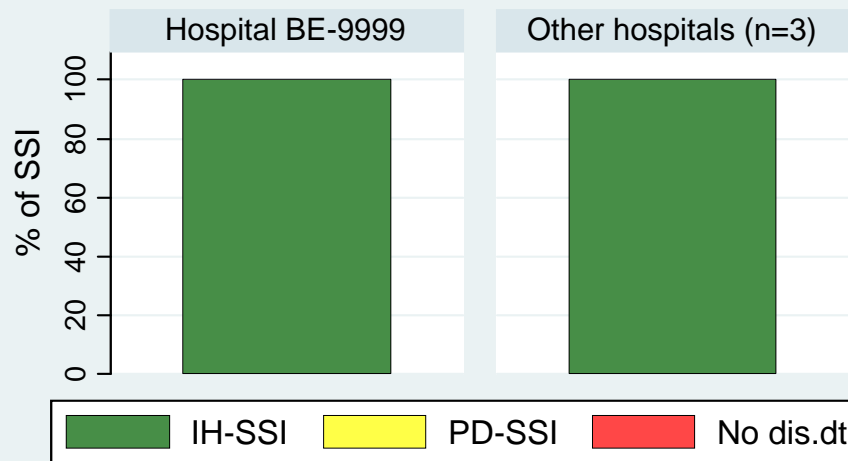
CABG D : SSI cumulative incidence (%) by NNIS risk index



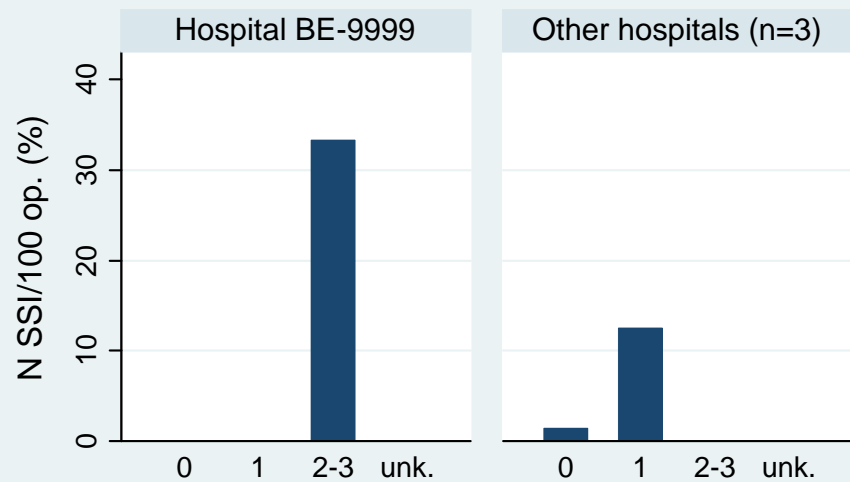
CHOL A : SSI cumulative incidence (n SSI per 100 operations)



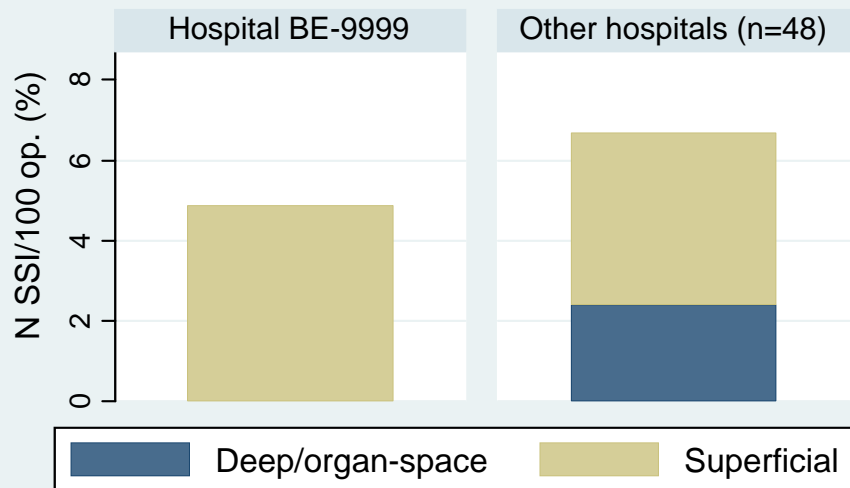
CHOL C : SSI cumulative incidence (%) per month



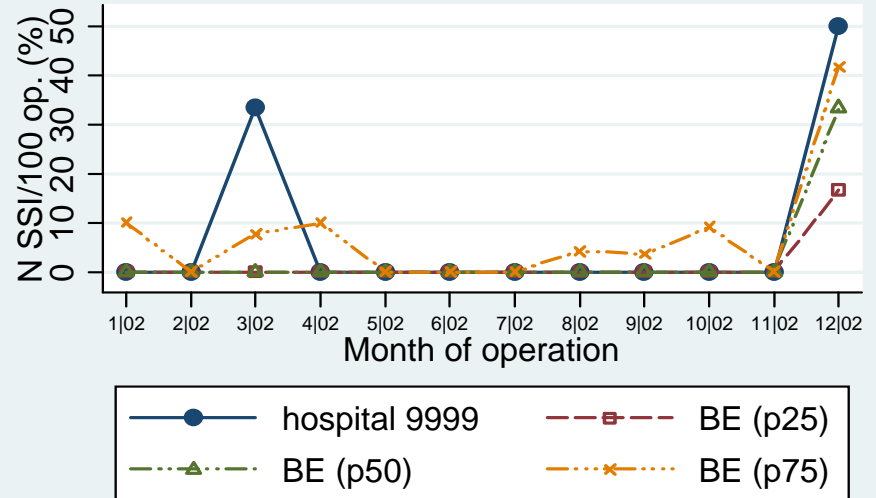
CHOL B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



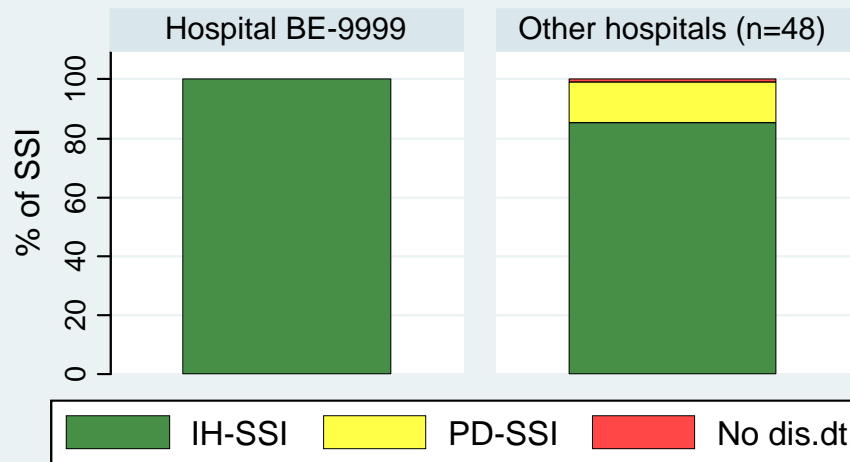
CHOL D : SSI cumulative incidence (%) by NNIS risk index



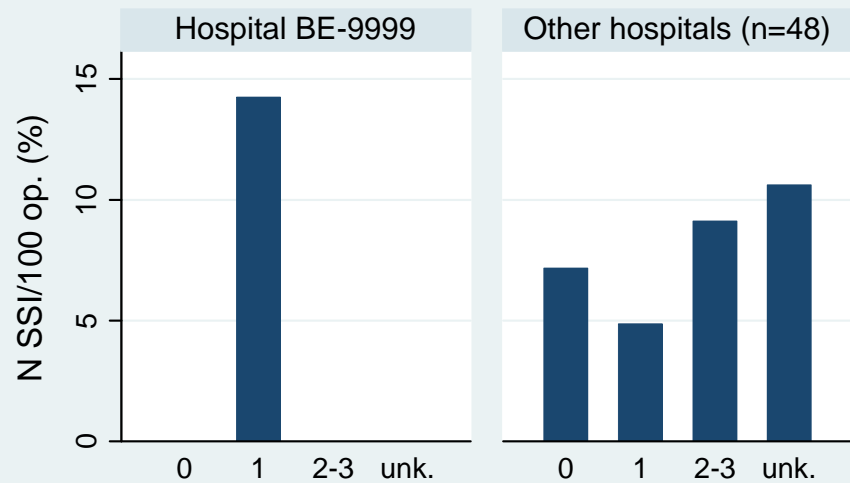
COLO A : SSI cumulative incidence (n SSI per 100 operations)



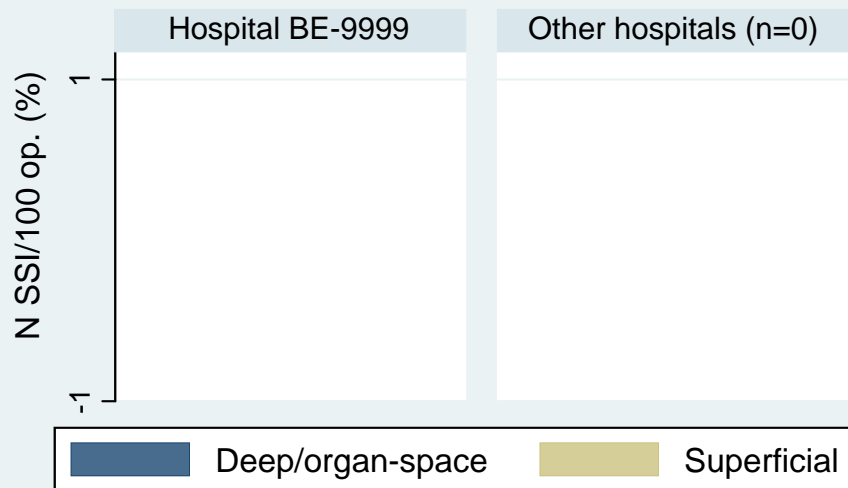
COLO C : SSI cumulative incidence (%) per month



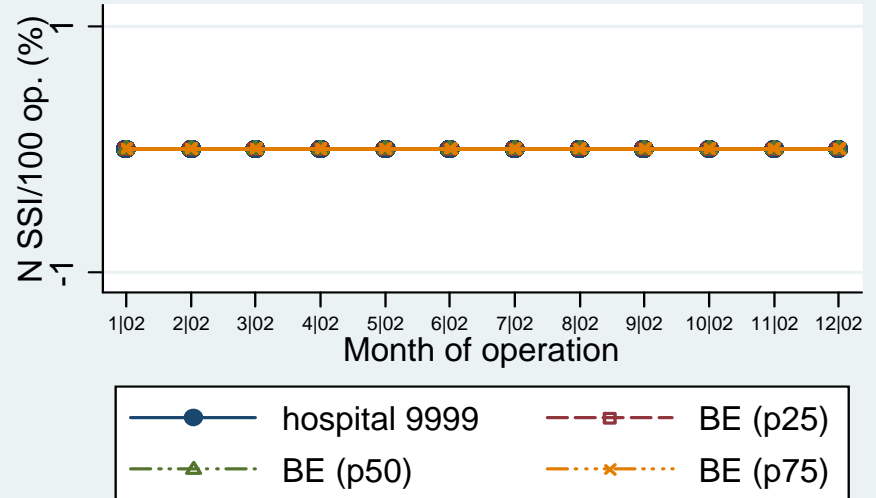
COLO B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



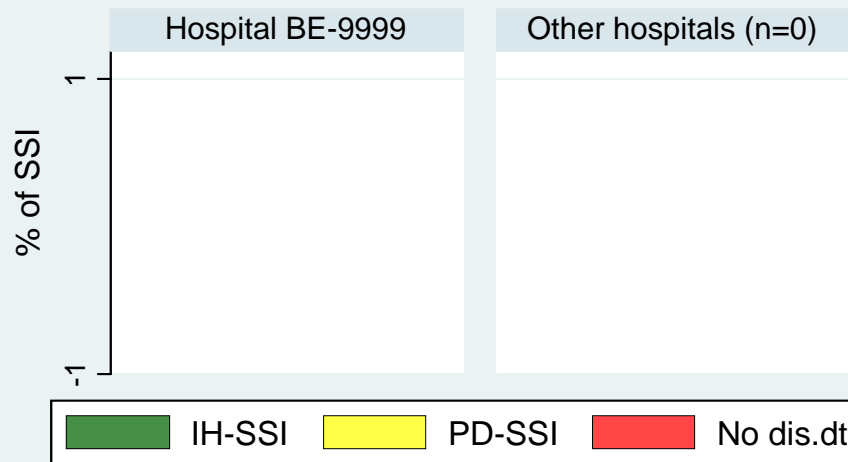
COLO D : SSI cumulative incidence (%) by NNIS risk index



CSEC A : SSI cumulative incidence (n SSI per 100 operations)



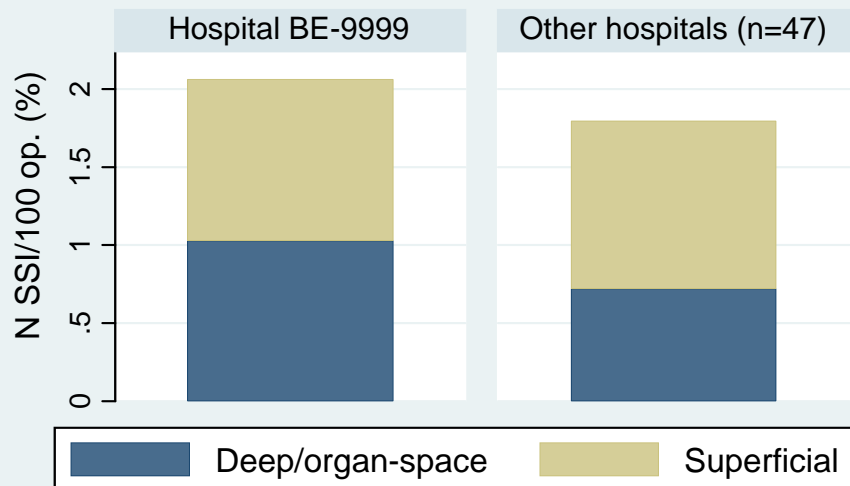
CSEC C : SSI cumulative incidence (%) per month



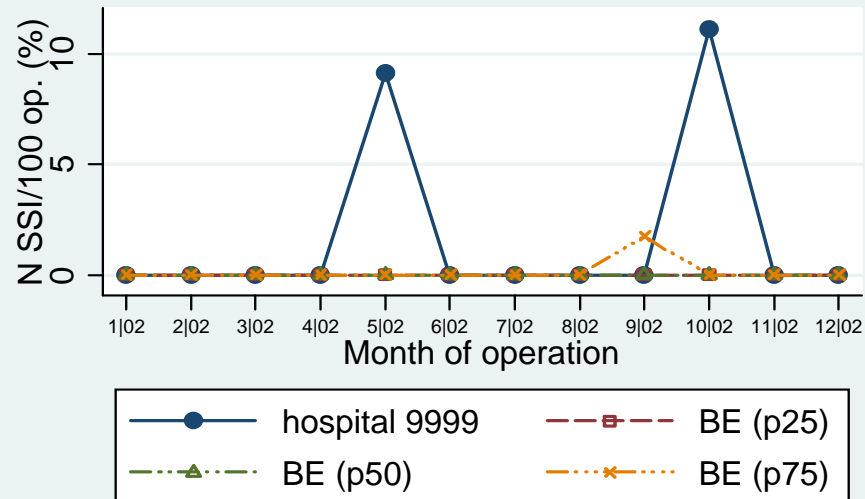
CSEC B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



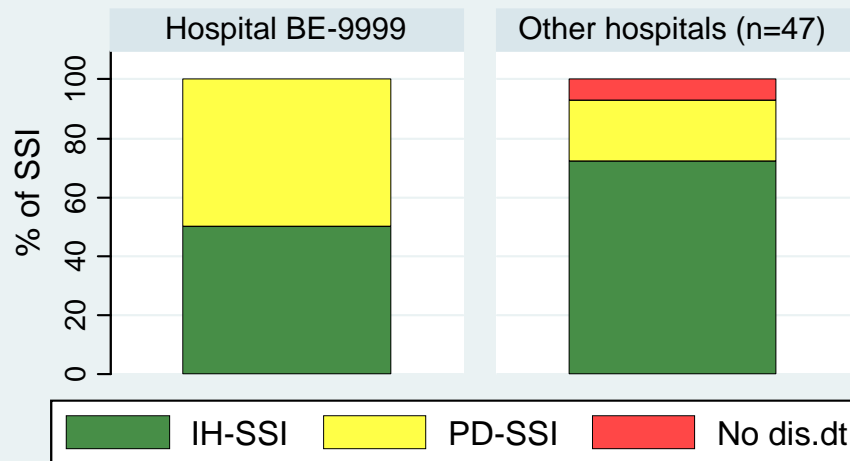
CSEC D : SSI cumulative incidence (%) by NNIS risk index



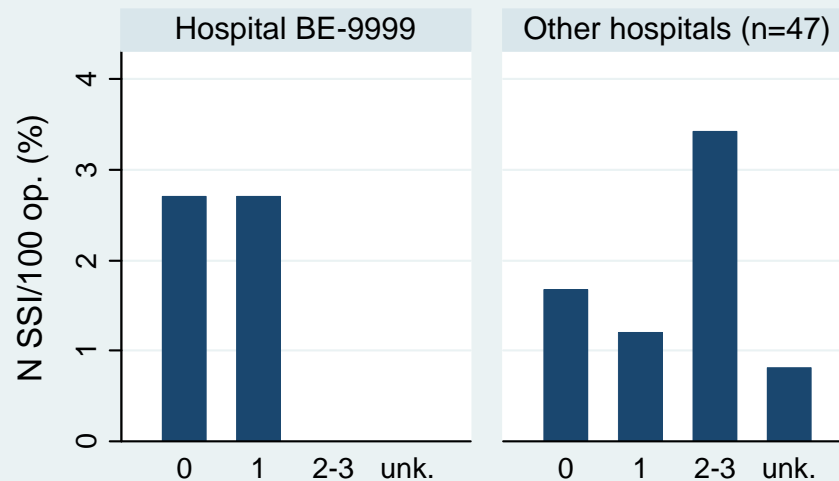
HPRO A : SSI cumulative incidence (n SSI per 100 operations)



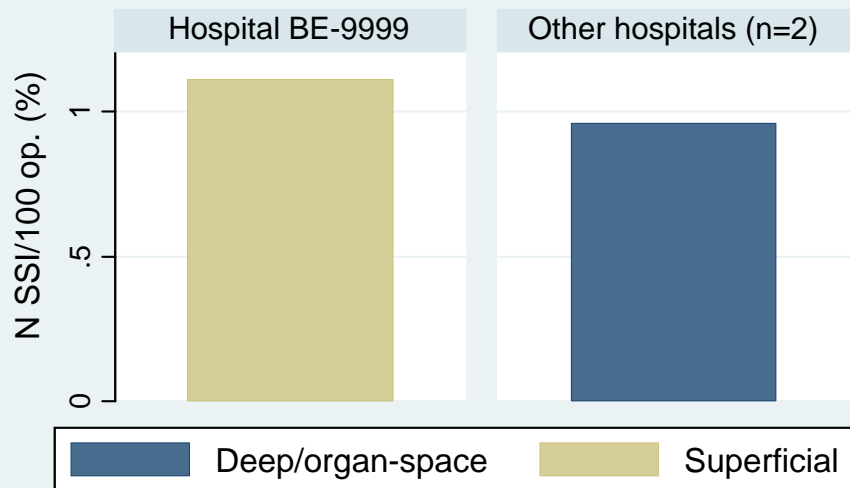
HPRO C : SSI cumulative incidence (%) per month



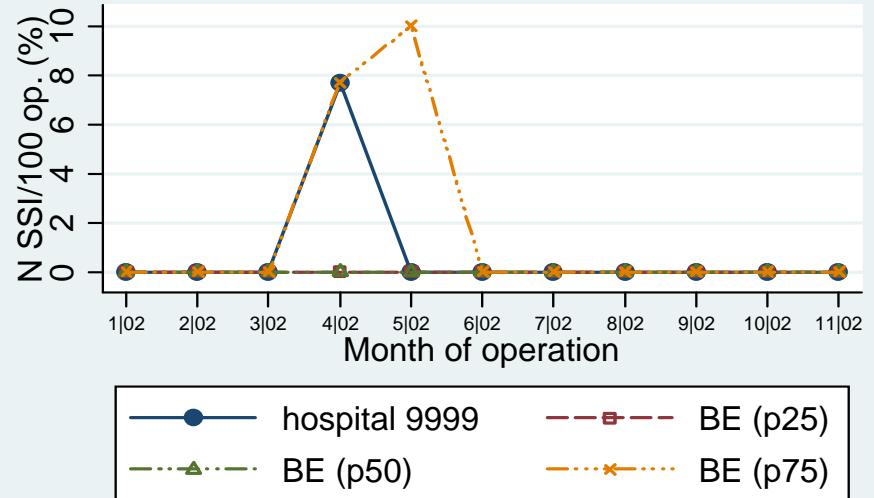
HPRO B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



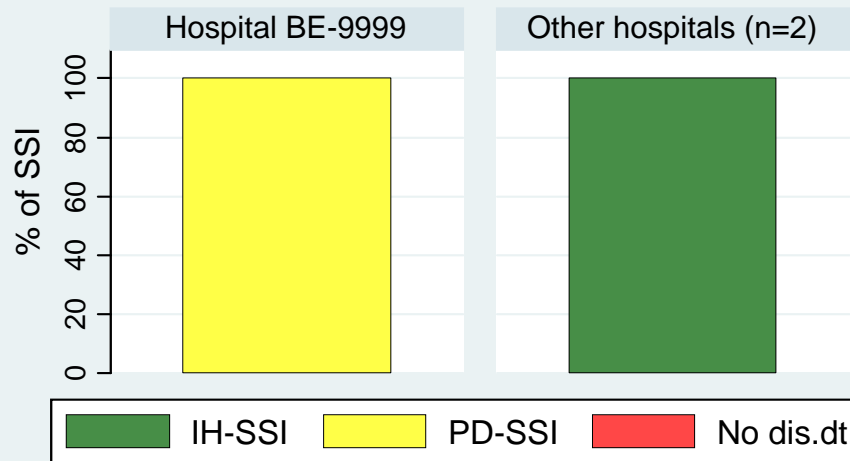
HPRO D : SSI cumulative incidence (%) by NNIS risk index



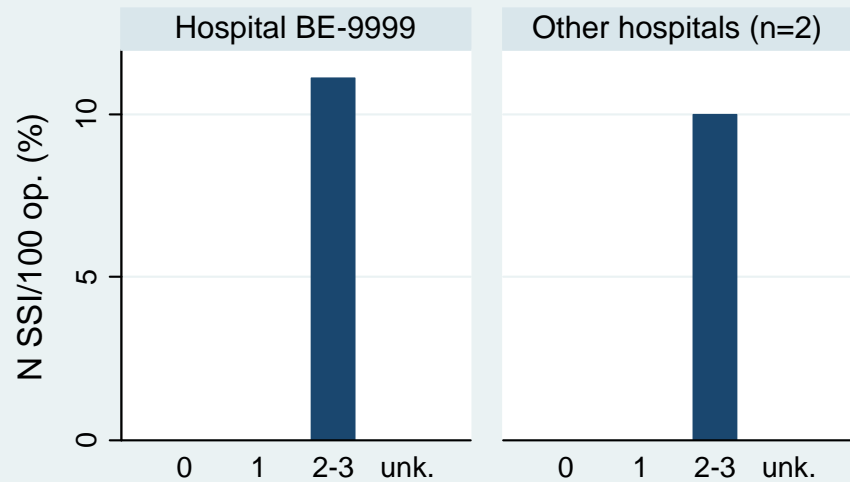
KPRO A : SSI cumulative incidence (n SSI per 100 operations)



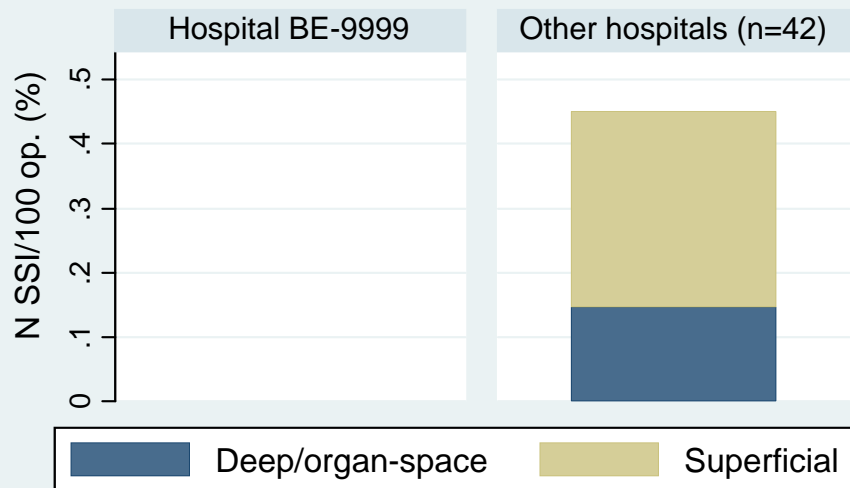
KPRO C : SSI cumulative incidence (%) per month



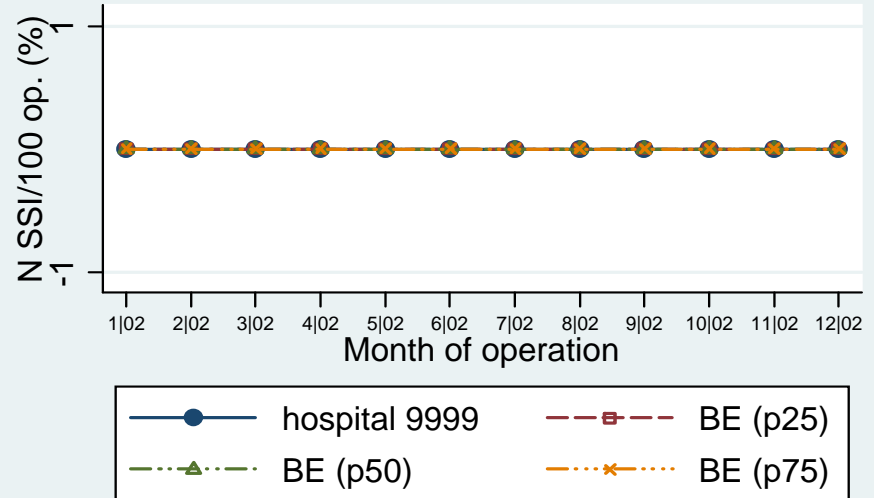
KPRO B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



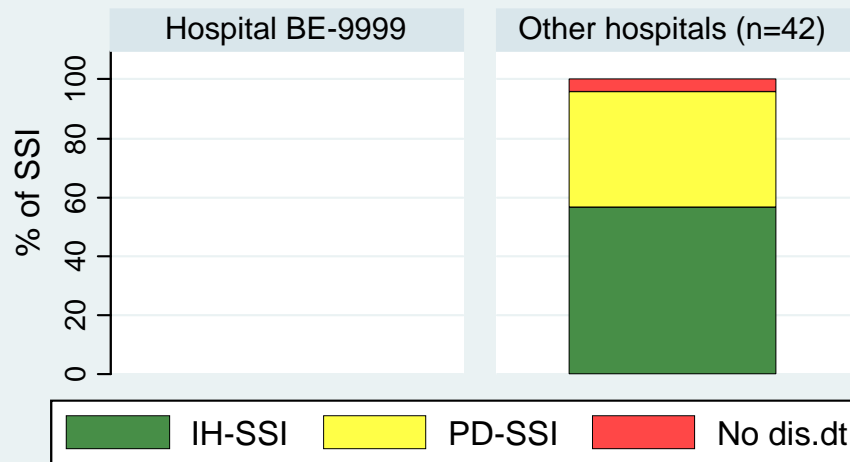
KPRO D : SSI cumulative incidence (%) by NNIS risk index



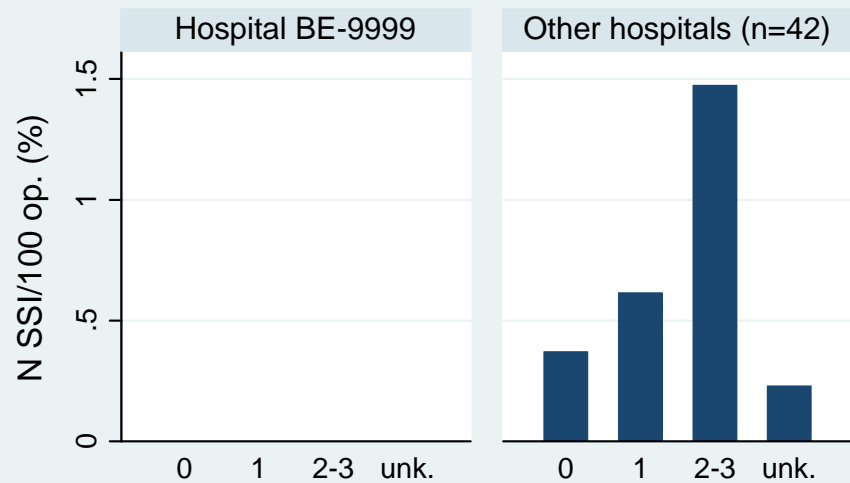
LAM A : SSI cumulative incidence (n SSI per 100 operations)



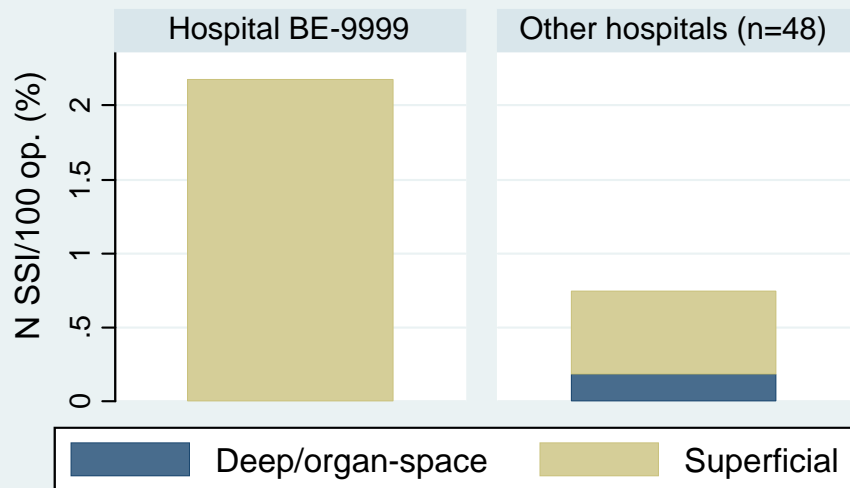
LAM C : SSI cumulative incidence (%) per month



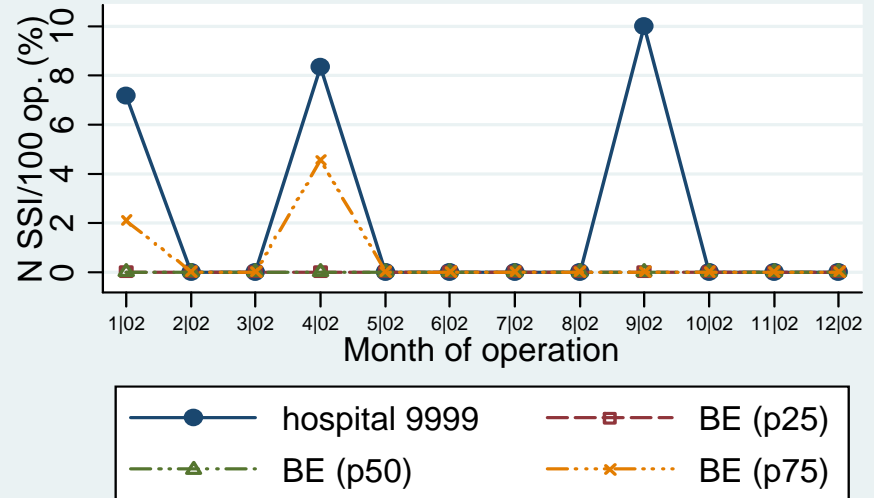
LAM B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



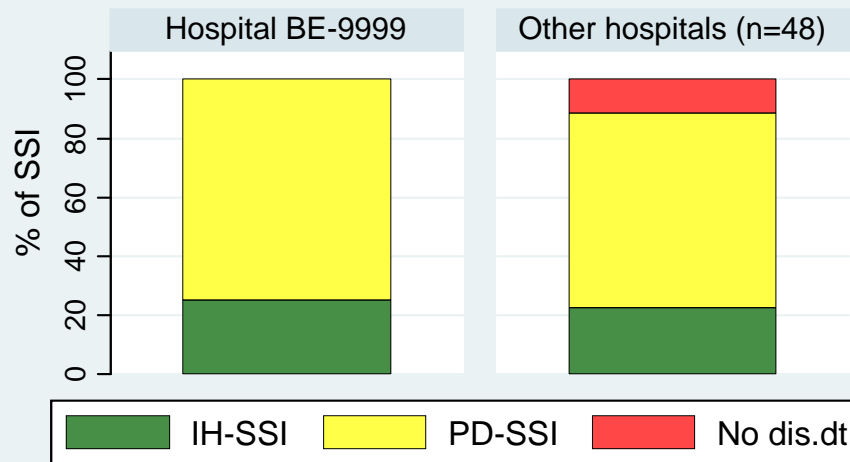
LAM D : SSI cumulative incidence (%) by NNIS risk index



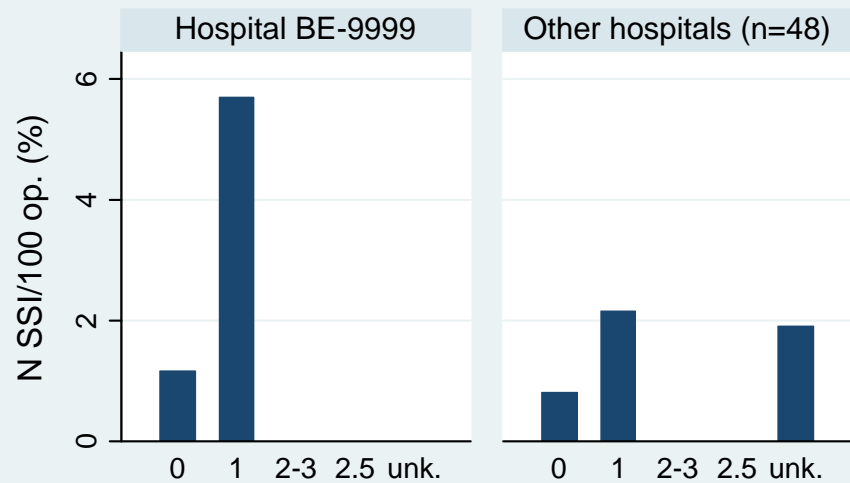
HER A : SSI cumulative incidence (n SSI per 100 operations)



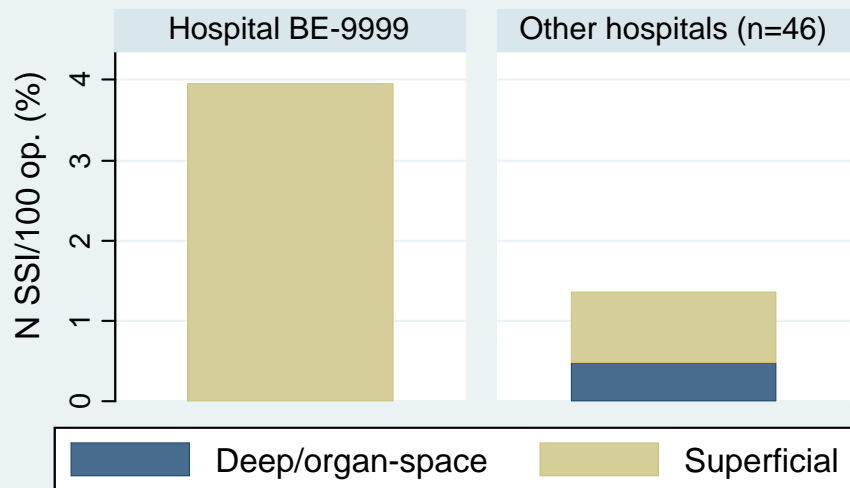
HER C : SSI cumulative incidence (%) per month



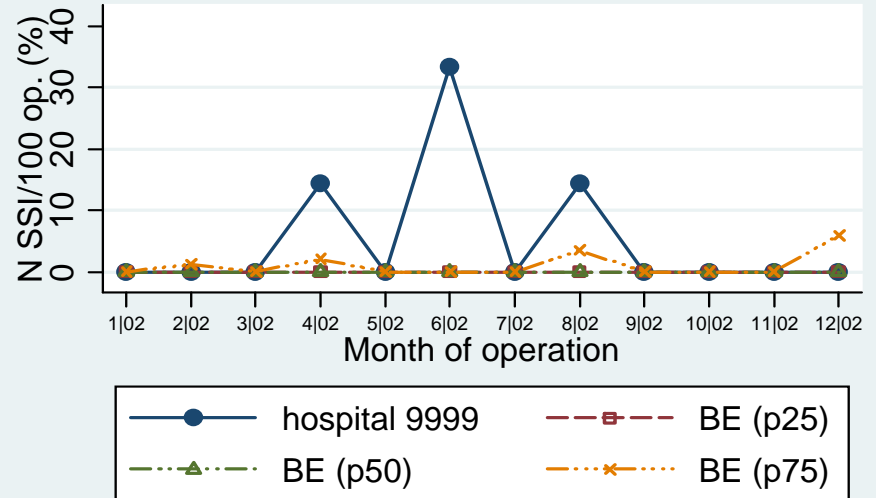
HER B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



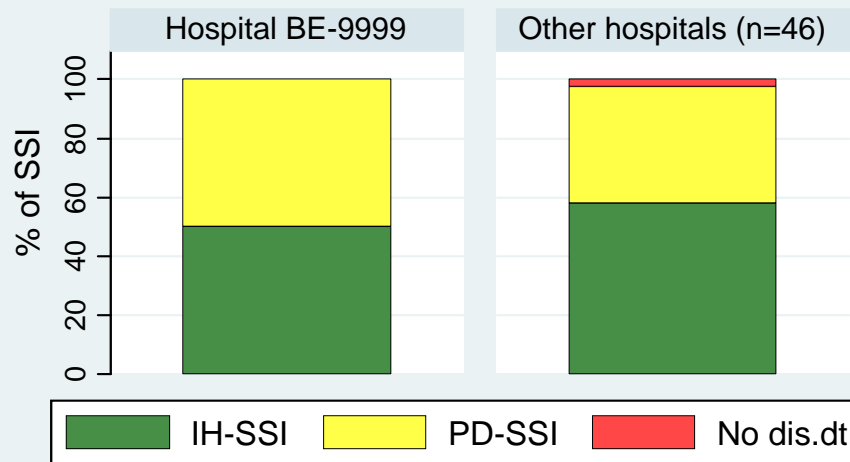
HER D : SSI cumulative incidence (%) by NNIS risk index



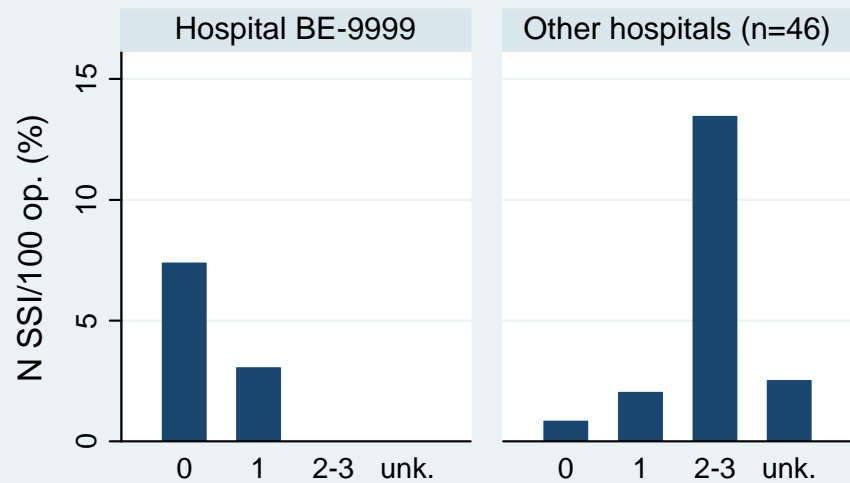
VS A : SSI cumulative incidence (n SSI per 100 operations)



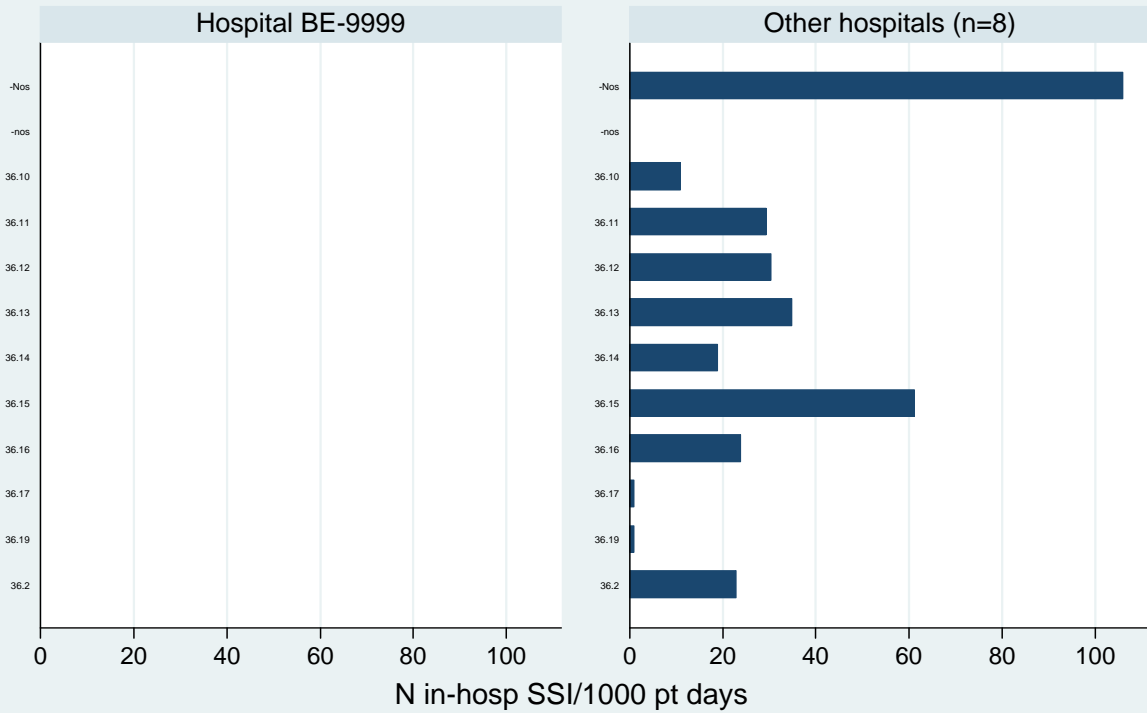
VS C : SSI cumulative incidence (%) per month



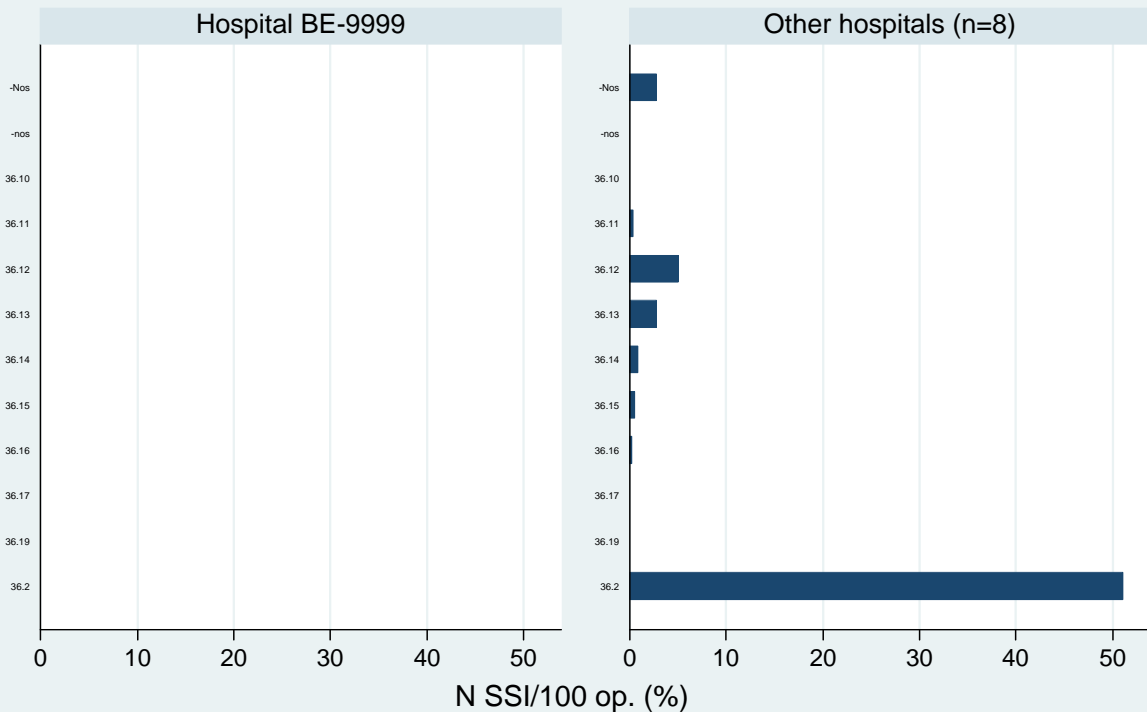
VS B : % of SSI detected in the hospital (IH), post-discharge (PD) or unknown (missing discharge date)



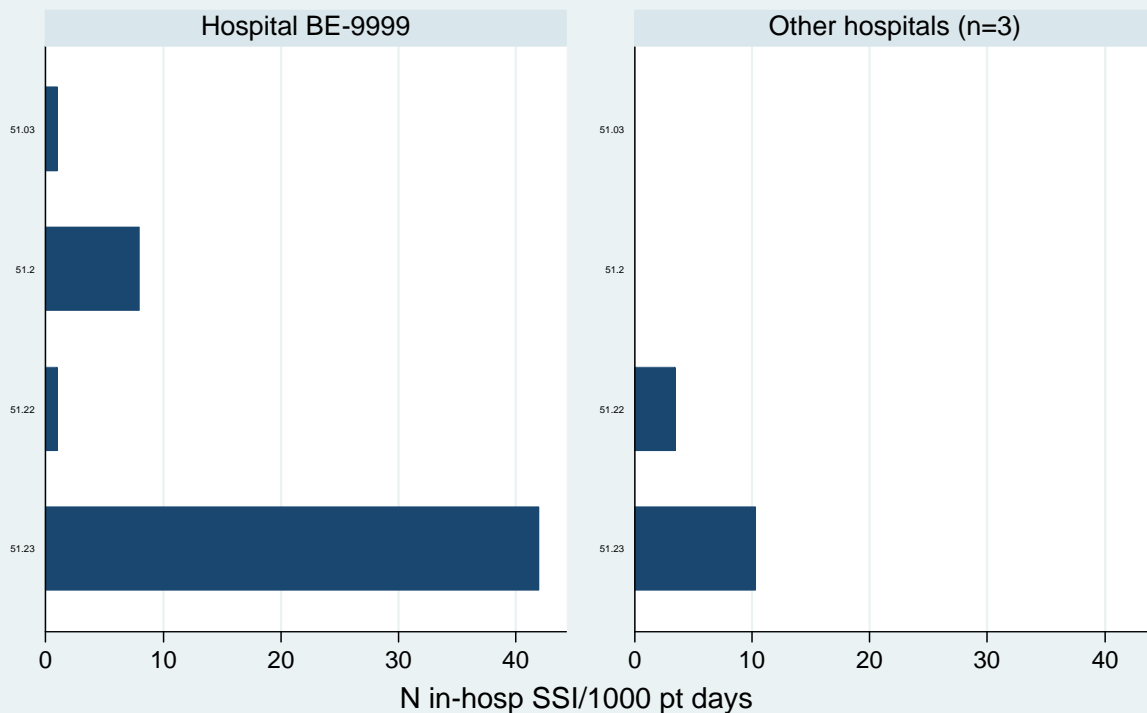
VS D : SSI cumulative incidence (%) by NNIS risk index



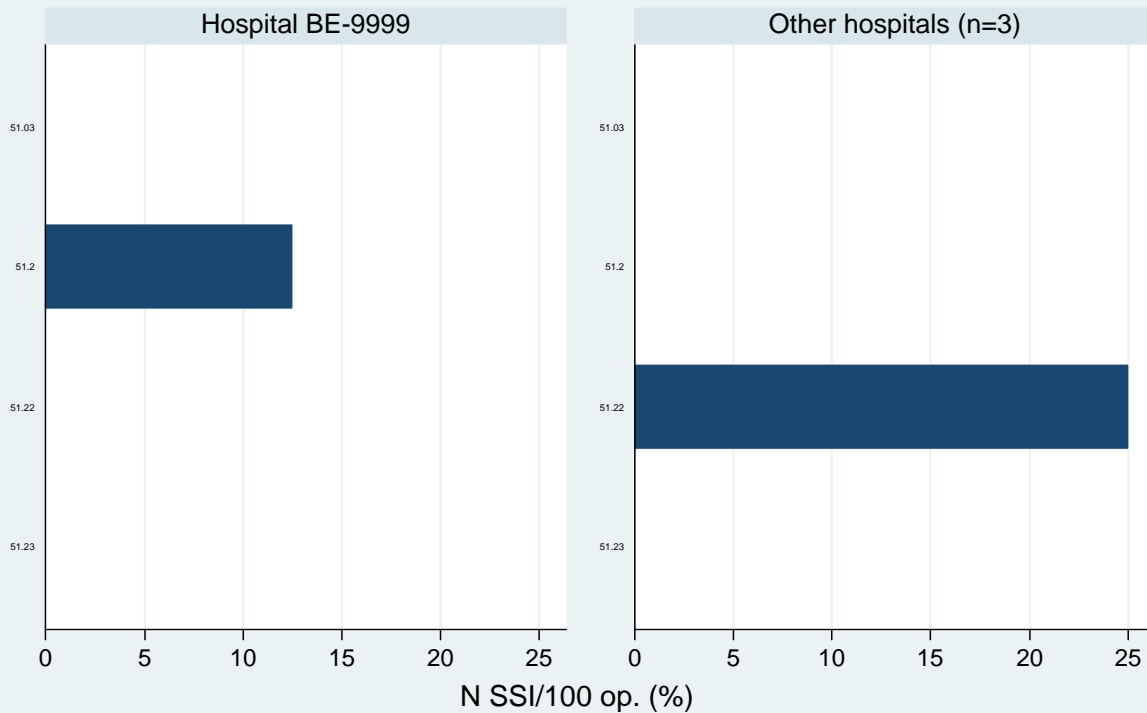
CABG E : Mean number of interventions by ICD-CM code within operation category
 Nos=ICD-9 CM code not specified



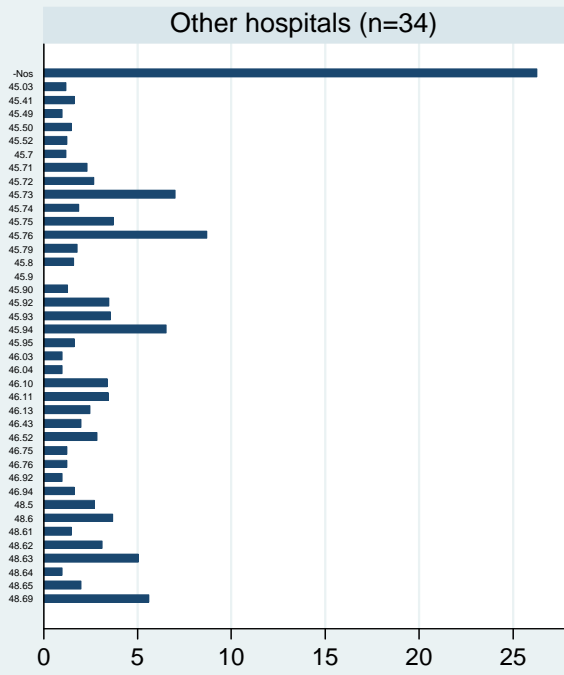
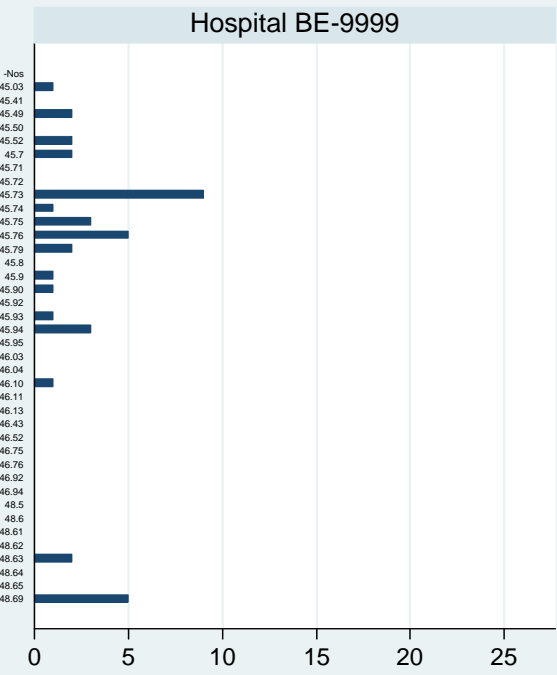
CABG F : SSI cumulative incidence (%) by ICD9-CM code
 Nos=ICD-9 CM code not specified



CHOL E : Mean number of interventions by ICD-CM code within operation category
 Nos=ICD-9 CM code not specified

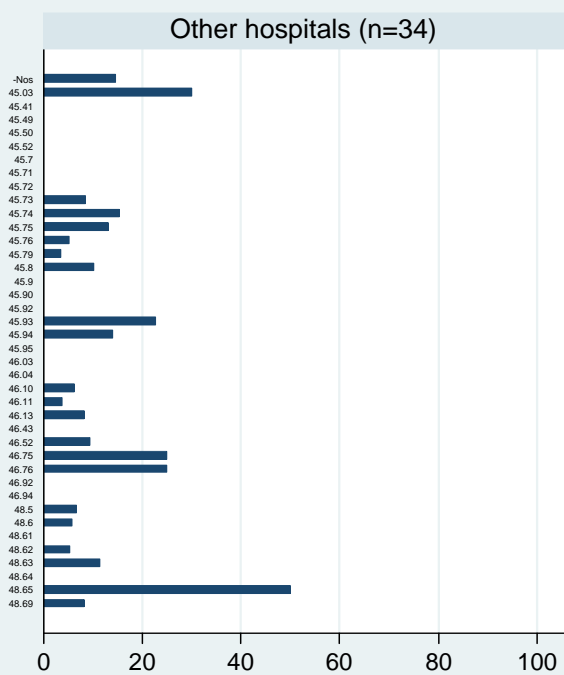
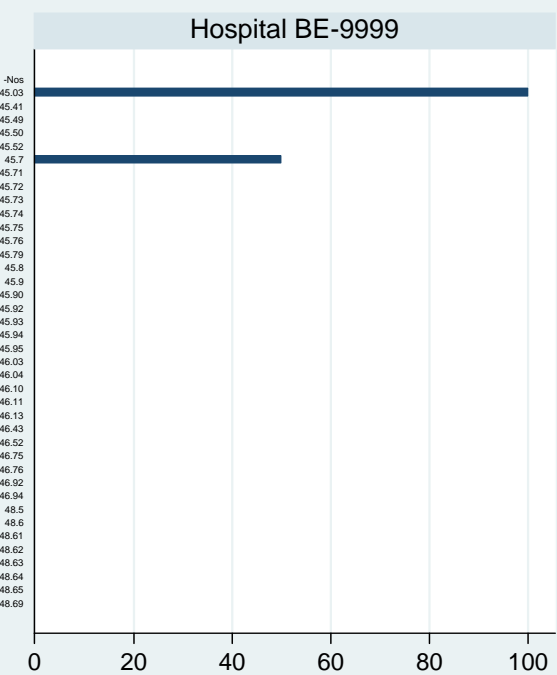


CHOL F : SSI cumulative incidence (%) by ICD9-CM code
 Nos=ICD-9 CM code not specified



N in-hosp SSI/1000 pt days

COLO E : Mean number of interventions by ICD-CM code within operation category
Nos=ICD-9 CM code not specified



N SSI/100 op. (%)

COLO F : SSI cumulative incidence (%) by ICD9-CM code
Nos=ICD-9 CM code not specified

Hospital BE-9999

Other hospitals (n=0)



N in-hosp SSI/1000 pt days

CSEC E : Mean number of interventions by ICD-CM code within operation category
Nos=ICD-9 CM code not specified

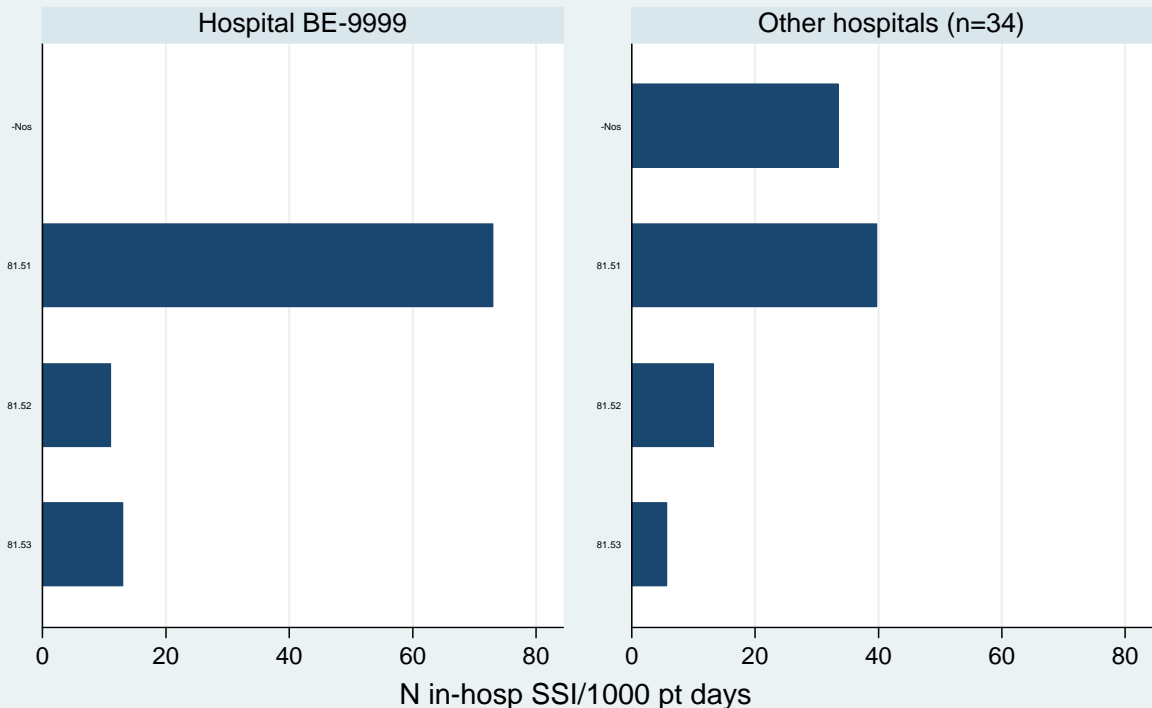
Hospital BE-9999

Other hospitals (n=0)

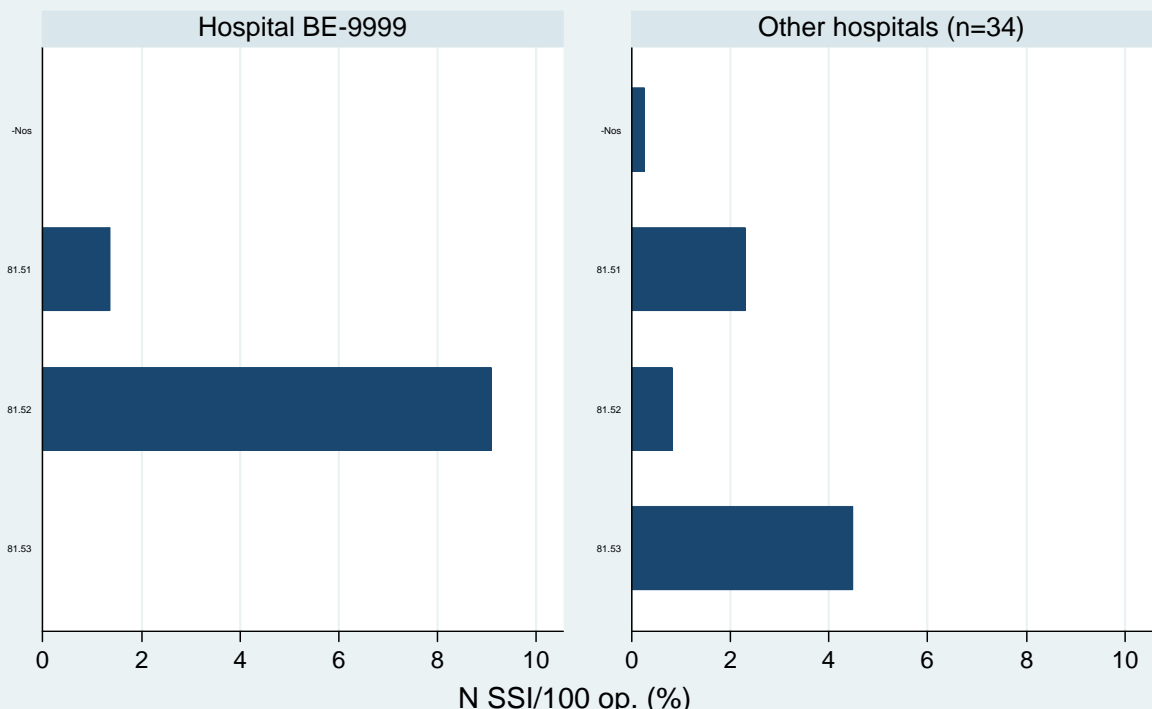


N SSI/100 op. (%)

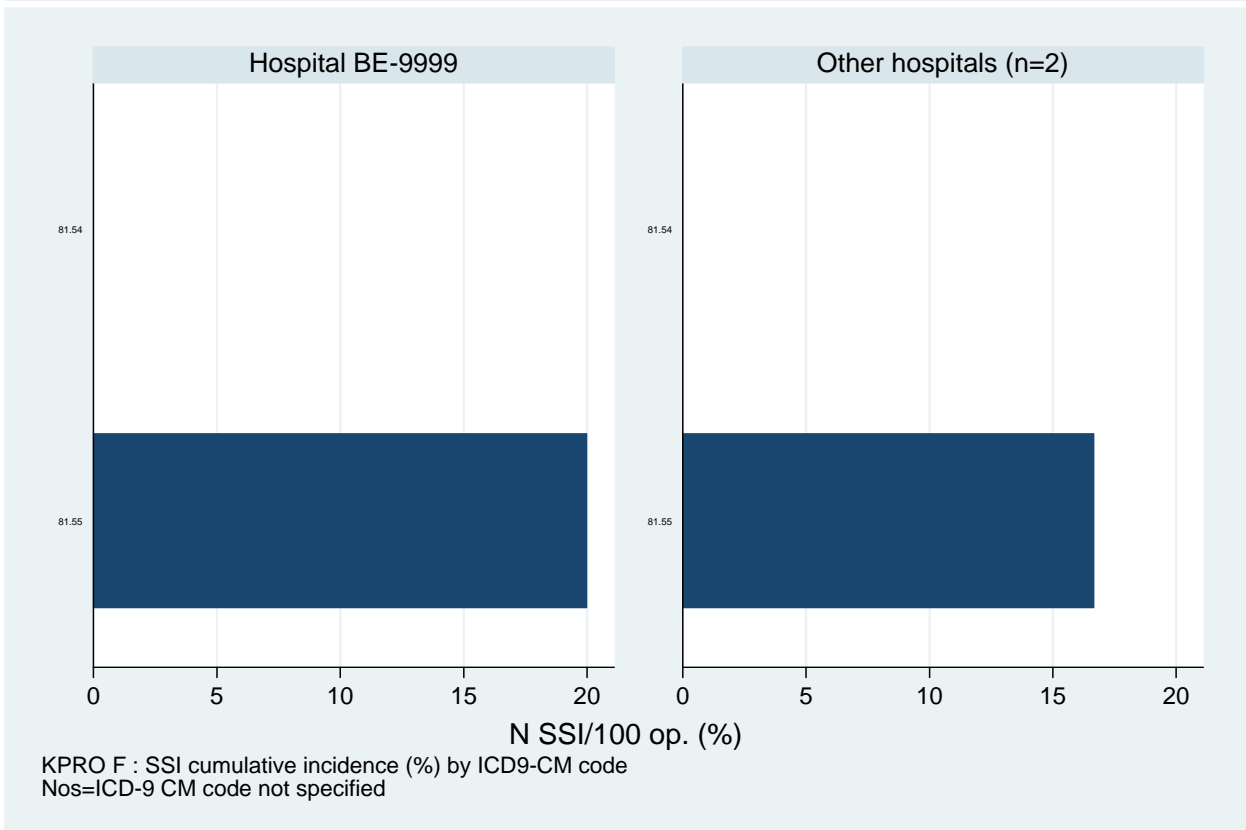
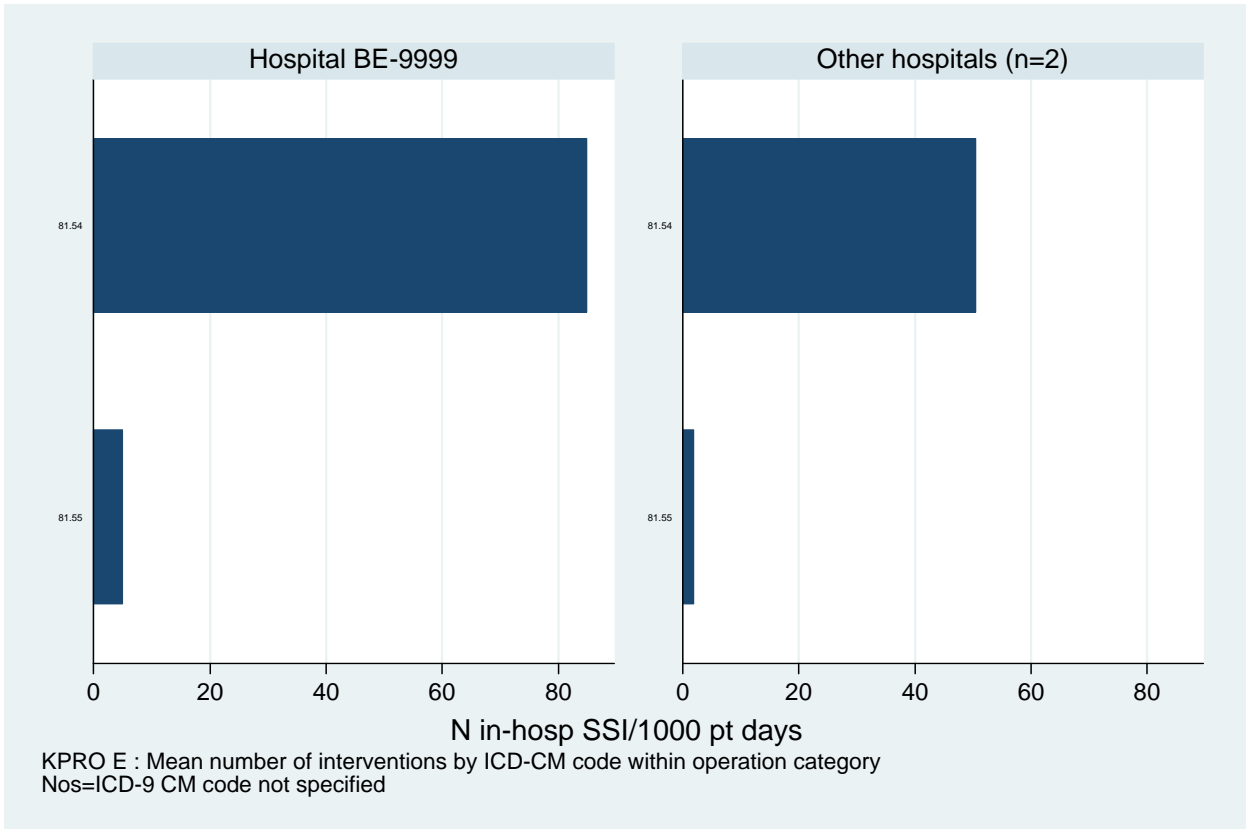
CSEC F : SSI cumulative incidence (%) by ICD9-CM code
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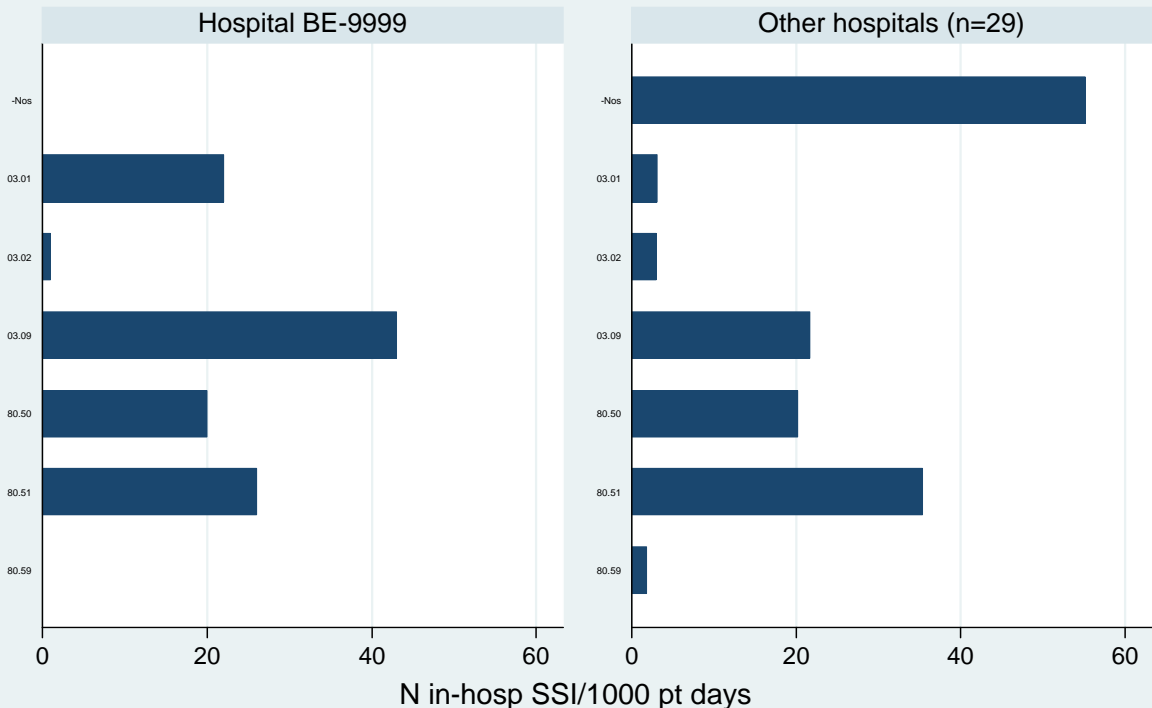


HPRO E : Mean number of interventions by ICD-CM code within operation category
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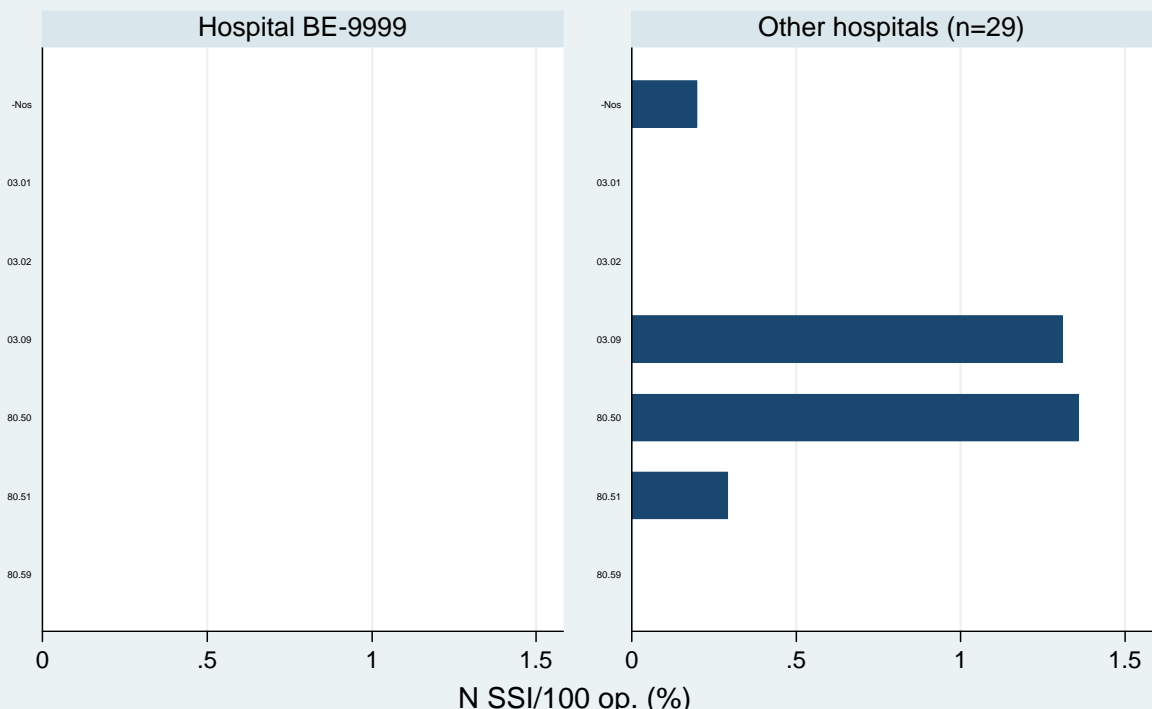


HPRO F : SSI cumulative incidence (%) by ICD9-CM code
 Nos=ICD-9 CM code not specified

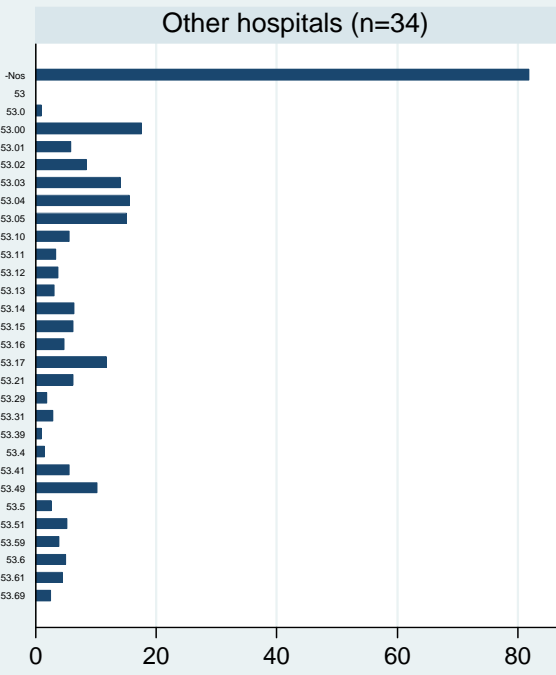
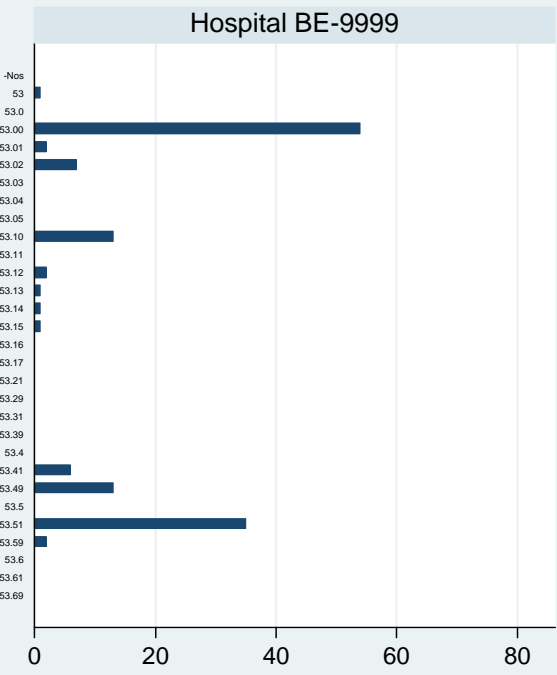




LAM E : Mean number of interventions by ICD-CM code within operation category
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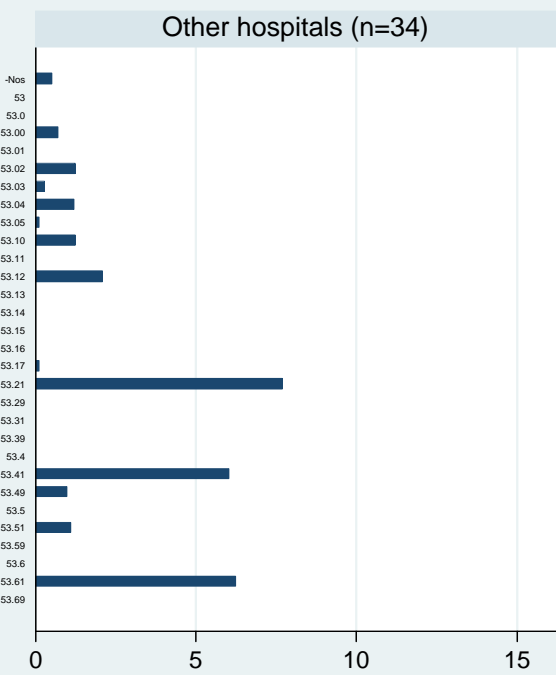
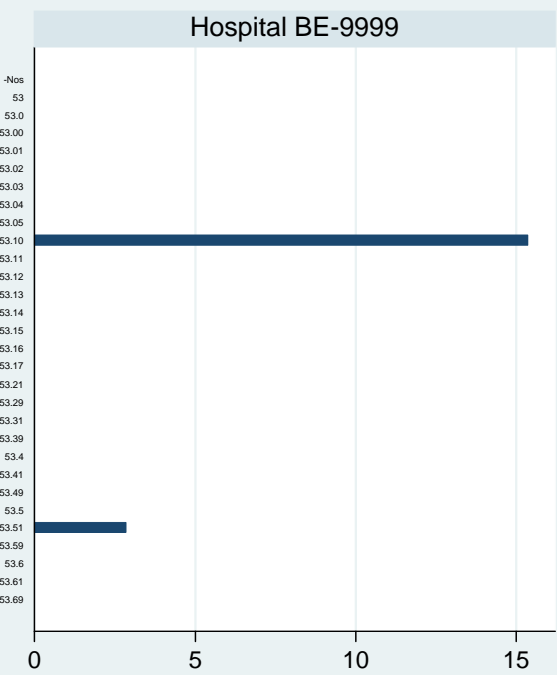


LAM F : SSI cumulative incidence (%) by ICD9-CM code
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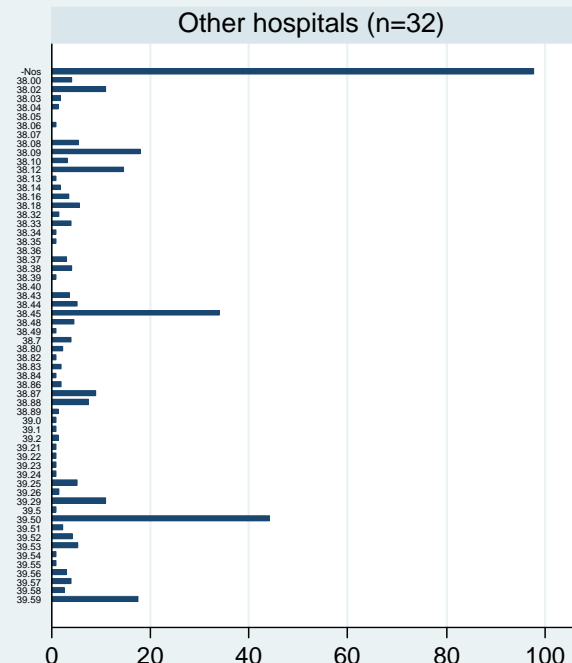
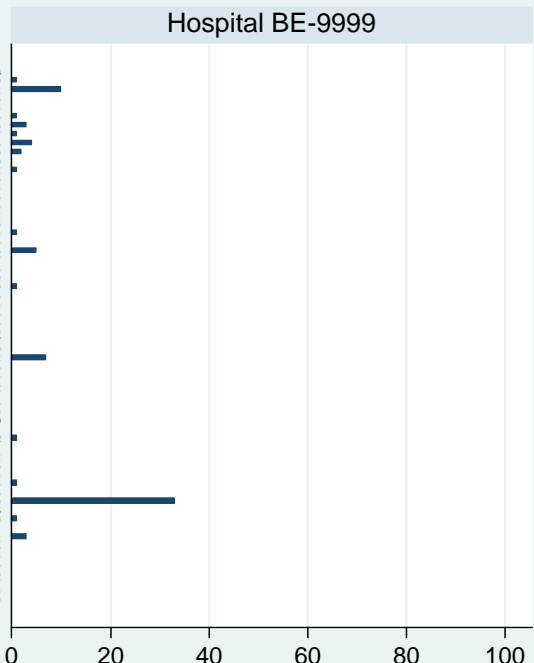
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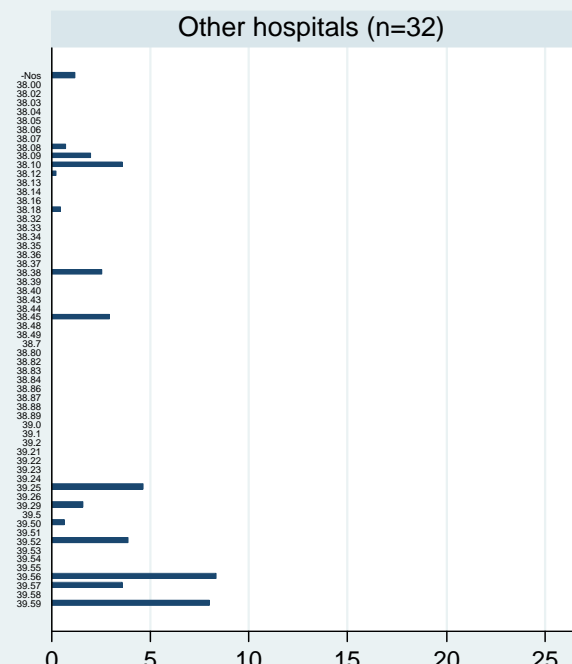
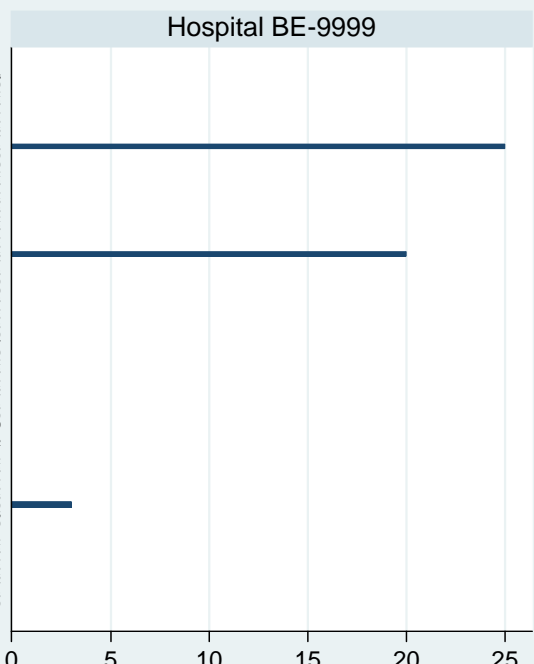
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