

Appendix 1. Antibigram for the *Enterobacteriaceae* (first-isolate results), 2013 versus 2017.

			% Susceptibility to Routinely Tested Antimicrobial Agents																
Isolates	Total <i>n</i> isolates		AMP	AMC	PTZ	CTX/ CRO	CAZ	CPM	ETP	MEM	IPM	CIP	GM	TOB	AMK	CT	TGC	SXT	
2013 <i>Klebsiella</i> spp.	69	Total no. isolates with sensitivities	69	68	69	69	69	69	69	69	69	68	67	67	69	-	-	62	
		No. of susceptible isolates	0	13	43	20	20	24	65	67	67	40	28	26	64	-	-	15	
		Susceptible Isolates, %	0%	19%	62%	29%	29%	35%	94%	97%	97%	59%	42%	39%	93%	-	-	24%	
		(95% CI)	(0-6)	(11-30)	(51-73)	(20-41)	(20-41)	(25-47)	(86-98)	(89-100)	(89-100)	(47-70)	(31-54)	(28-51)	(84-97)	-	-	(15-36)	
		Total no. isolates with sensitivities	85	85	85	85	85	85	85	85	85	37	84	17	83	76	57	84	
2017 <i>Klebsiella</i> spp.	85	No. of susceptible isolates	0	34	41	37	38	45	77	83	82	16	46	5	77	76	57	40	
		Susceptible Isolates, %	0%	40%	48%	44%	45%	53%	91%	98%	96%	43%	55%	29%	93%	100%	100%	48%	
		(95% CI)	(0-5)	(30-51)	(38-59)	(33-54)	(35-55)	(42-63)	(82-95)	(91-100)	(90-99)	(29-59)	(44-65)	(13-53)	(85-97)	(94-100)	(92-100)	(37-58)	
		2013 vs. 2017		1,000	0,008	0,104	0,068	0,065	0,034	0,549	1,000	1,000	0,154	0,141	0,580	1,000	-	-	0,006
2013 <i>Escherichia</i> spp.	58	Total no. isolates with sensitivities	58	58	58	58	58	58	58	58	58	57	58	57	58	-	-	55	
		No. of susceptible isolates	5	27	49	38	39	42	57	58	58	36	39	37	57	-	-	14	
		Susceptible Isolates, %	9%	47%	84%	66%	67%	72%	98%	100%	100%	63%	67%	65%	98%	-	-	25%	
		(95% CI)	(3-19)	(34-59)	(73-92)	(53-76)	(54-78)	(60-82)	(90-100)	(93-100)	(93-100)	(50-75)	(54-78)	(52-76)	(90-100)	-	-	(16-38)	
		Total no. isolates with sensitivities	68	69	69	69	69	69	69	69	69	35	69	16	68	62	45	68	
2017 <i>Escherichia</i> spp.	69	No. of susceptible isolates	7	31	55	45	53	58	69	69	69	24	52	12	68	62	45	18	
		Susceptible Isolates, %	10%	45%	80%	65%	77%	84%	100%	100%	100%	69%	75%	75%	100%	100%	100%	26%	
		(95% CI)	(5-20)	(34-57)	(69-88)	(53-75)	(66-85)	(73-91)	(94-100)	(94-100)	(94-100)	(52-82)	(64-84)	(50-90)	(94-100)	(93-100)	(91-100)	(17-38)	
		2013 vs. 2017		1,000	0,860	0,644	1,000	0,240	0,130	0,457	1,000	1,000	0,657	0,330	0,555	0,460	-	-	1,000
2013 <i>Enterobacter</i> spp.	30	Total no. isolates with sensitivities	30	30	30	30	30	30	30	30	30	30	28	28	30	-	-	28	
		No. of susceptible isolates	0	0	19	0	0	19	27	29	29	19	20	14	30	-	-	14	
		Susceptible Isolates, %	0%	0%	63%	0%	0%	63%	90%	97%	97%	63%	71%	50%	100%	-	-	50%	
		(95% CI)	(0-13)	(0-13)	(45-78)	(0-13)	(0-13)	(45-78)	(74-97)	(82-100)	(82-100)	(45-78)	(53-85)	(33-67)	(87-100)	-	-	(33-67)	
		Total no. isolates with sensitivities	34	34	29	34	34	34	34	34	34	18	34	9	34	30	16	34	
2017 <i>Enterobacter</i> spp.	34	No. of susceptible isolates	0	0	15	0	0	18	28	32	31	10	25	3	30	30	15	21	
		Susceptible Isolates, %	0%	0%	52%	0%	0%	53%	82%	94%	91%	56%	74%	33%	88%	100%	94%	62%	
		(95% CI)	(0-12)	(0-12)	(34-69)	(0-12)	(0-12)	(37-69)	(66-92)	(80-99)	(76-98)	(34-75)	(57-86)	(12-65)	(73-96)	(87-100)	(70-100)	(45-76)	
		2013 vs. 2017		1,000	1,000	0,435	1,000	1,000	0,454	0,483	1,000	0,616	0,762	1,000	0,462	0,116	-	-	0,443
2013 Other <i>Enterobacteriaceae</i>	30	Total no. isolates with sensitivities	30	29	29	30	29	29	30	30	30	29	29	27	29	-	-	28	
		No. of susceptible isolates	6	12	29	15	15	26	30	30	30	25	24	23	29	-	-	19	
		Susceptible Isolates, %	20%	41%	100%	50%	52%	90%	100%	100%	100%	86%	83%	85%	100%	-	-	68%	
		(95% CI)	(9-38)	(25-59)	(86-100)	(33-67)	(34-69)	(73-97)	(87-100)	(87-100)	(87-100)	(69-95)	(65-93)	(67-95)	(86-100)	-	-	(49-82)	
		Total no. isolates with sensitivities	31	31	30	31	31	31	31	31	31	30	16	31	7	31	30	30	30
2017 Other <i>Enterobacteriaceae</i>	31	No. of susceptible isolates	6	14	25	17	17	28	29	30	29	14	29	6	28	9	9	17	
		Susceptible Isolates, %	19%	45%	83%	55%	55%	90%	94%	97%	97%	88%	94%	86%	90%	30%	30%	57%	
		(95% CI)	(9-37)	(29-62)	(66-93)	(38-71)	(38-71)	(74-97)	(78-99)	(82-100)	(82-100)	(63-98)	(78-99)	(47-99)	(74-97)	(17-48)	(17-48)	(39-73)	
		2013 vs. 2017		1,000	0,800	0,052	0,800	1,000	1,000	0,492	1,000	1,000	1,000	0,247	1,000	0,238	-	-	0,427
2013 TOTAL <i>Enterobacteriaceae</i>	187	Total no. isolates with sensitivities	187	185	186	187	186	186	187	187	187	184	182	179	186	-	-	173	
		No. of susceptible isolates	11	52	140	73	74	111	179	184	184	120	111	100	180	-	-	62	
		Susceptible Isolates, %	6%	28%	75%	39%	40%	60%	96%	98%	98%	65%	61%	56%	97%	-	-	36%	
		(95% CI)	(3-10)	(22-35)	(69-81)	(32-46)	(33-47)	(53-66)	(92-98)	(95-100)	(95-100)	(58-72)	(54-68)	(49-63)	(93-99)	-	-	(29-43)	
		Total no. isolates with sensitivities	218	219	213	219	219	219	219	219	219	218	106	218	49	216	198	148	216
2017 TOTAL <i>Enterobacteriaceae</i>	219	No. of susceptible isolates	13	79	136	99	108	149	203	214	211	64	152	26	203	177	126	96	
		Susceptible Isolates, %	6%	36%	64%	45%	49%	68%	93%	98%	97%	60%	70%	53%	94%	89%	85%	44%	
		(95% CI)	(3-10)	(30-43)	(57-70)	(39-52)	(43-56)	(62-74)	(88-96)	(95-99)	(93-98)	(51-69)	(63-75)	(39-66)	(90-97)	(84-93)	(78-90)	(38-51)	
		2013 vs. 2017		1,000	0,109	0,017	0,227	0,058	0,096	0,213	0,731	0,352	0,448	0,073	0,748	0,241	-	-	0,097

(-) Antibiotic not tested

AMP = ampicillin, AMP = amoxicillin-clavulanate, PTZ = piperacillin/tazobactam, CTX/CRO = cefotaxime/ceftriaxone, CAZ = ceftazidime, CPM = cefepime, ETP = ertapenem, MEM = meropenem, IPM = imipenem, CIP = ciprofloxacin, GM = gentamicin, TOB = tobramycin, AMK = amikacin, CT = colistin, TGC = tigecycline, SXT = trimethoprim-sulfamethoxazole

Appendix 2. Antibigram for the non-fermentative gram-negative bacilli (first-isolate results), 2013 versus 2017.

			Total <i>n</i> isolates	% Susceptibility to Routinely Tested Antimicrobial Agents										
				PTZ	CAZ	CPM	MEM	IPM	CIP	GM	TOB	AMK	CT	TGC
2013 <i>Acinetobacter</i> spp.	65	Total no. isolates with sensitivities	56	65	65	65	55	64	61	64	63	19	-	62
		No. of susceptible isolates	6	20	6	7	14	31	33	43	18	19	-	17
		Susceptible Isolates, %	11%	31%	9%	11%	25%	48%	54%	67%	29%	100%	-	27%
		(95% CI)	(5-22)	(21-43)	(4-19)	(5-21)	(16-38)	(37-60)	(42-66)	(55-77)	(19-41)	(80-100)	-	(18-40)
		Total no. isolates with sensitivities	57	57	57	57	57	56	57	36	43	57	38	57
2017 <i>Acinetobacter</i> spp.	57	No. of susceptible isolates	9	6	10	11	11	18	18	11	14	55	34	9
		Susceptible Isolates, %	16%	11%	18%	19%	19%	32%	32%	31%	33%	96%	89%	16%
		(95% CI)	(8-28)	(5-21)	(10-30)	(11-32)	(11-32)	(21-45)	(21-45)	(18-47)	(20-48)	(87-100)	(75-96)	(8-28)
		<i>p</i> value	0,581	0,008	0,191	0,209	0,500	0,094	0,016	0,001	0,673	1,000	-	0,182
2013 <i>Pseudomonas</i> spp.	52	Total no. isolates with sensitivities	52	52	52	51	52	51	49	52	51	52	-	-
		No. of susceptible isolates	48	42	40	36	38	41	43	42	42	52	-	-
		Susceptible Isolates, %	92%	81%	77%	71%	73%	80%	88%	81%	82%	100%	-	-
		(95% CI)	(81-97)	(68-89)	(64-86)	(57-81)	(60-83)	(67-89)	(75-95)	(68-89)	(70-91)	(92-100)	-	-
		Total no. isolates with sensitivities	63	64	65	65	65	65	63	14	65	65	-	-
2017 <i>Pseudomonas</i> spp.	65	No. of susceptible isolates	49	52	54	49	44	60	58	10	61	65	-	-
		Susceptible Isolates, %	78%	81%	83%	75%	68%	92%	92%	71%	94%	100%	-	-
		(95% CI)	(66-86)	(70-89)	(72-90)	(64-84)	(56-78)	(83-97)	(82-97)	(45-89)	(85-98)	(93-100)	-	-
		<i>p</i> value	0,040	1,000	0,485	0,673	0,550	0,092	0,530	0,473	0,074	1,000	-	-
2013 Other Non-fermenters	7	Total no. isolates with sensitivities	-	7	-	2	-	-	-	-	-	-	-	7
		No. of susceptible isolates	-	4	-	2	-	-	-	-	-	-	-	5
		Susceptible Isolates, %	-	57%	-	100%	-	-	-	-	-	-	-	71%
		(95% CI)	-	(25-84)	-	(16-100)	-	-	-	-	-	-	-	(35-92)
		Total no. isolates with sensitivities	-	24	-	26	-	-	-	-	-	-	-	-
2017 Other Non-fermenters	27	No. of susceptible isolates	-	22	-	16	-	-	-	-	-	-	-	24
		Susceptible Isolates, %	-	92%	-	62%	-	-	-	-	-	-	-	89%
		(95% CI)	-	(73-99)	-	(42-78)	-	-	-	-	-	-	-	(71-97)
		<i>p</i> value	-	0,062	-	0,524	-	-	-	-	-	-	-	0,268

(-) Antibiotic not tested or not appropriate

PTZ = piperacillin/tazobactam, CAZ = ceftazidime, CPM = cefepime, MEM = meropenem, IPM = imipenem, CIP = ciprofloxacin, GM = gentamicin, TOB = tobramycin, AMK = amikacin, CT = colistin, TGC = tigecycline, SXT = trimethoprim-sulfamethoxazole

Appendix 3. Antibigram for the gram-positive cocci (first-isolate results), 2013 versus 2017.

			% Susceptibility to Routinely Tested Antimicrobial Agents						
			P/AMP	CLOX*	CD	SXT	VA	LZD	RIF
	Total <i>n</i> isolates								
2013	65	Total no. isolates with sensitivities	62	61	62	60	43	62	62
CoNS		No. of susceptible isolates	4	7	24	14	43	61	23
		Susceptible Isolates, %	6%	11%	39%	23%	100%	98%	37%
		(95% CI)	(2-16)	(5-22)	(28-51)	(14-35)	(90-100)	(91-100)	(26-50)
2017	84	Total no. isolates with sensitivities	71	75	74	74	76	74	75
CoNS		No. of susceptible isolates	4	21	36	31	75	73	40
		Susceptible Isolates, %	6%	28%	49%	42%	99%	99%	53%
		(95% CI)	(2-14)	(19-39)	(38-60)	(31-53)	(92-100)	(92-100)	(42-64)
2013 vs. 2017		<i>p</i> value	1,000	0,020	0,299	0,028	1,000	1,000	0,061
2013	49	Total no. isolates with sensitivities	49	49	49	49	49	49	48
<i>S. aureus</i>		No. of susceptible isolates	6	25	34	24	49	49	35
		Susceptible Isolates, %	12%	51%	69%	49%	100%	100%	73%
		(95% CI)	(5-25)	(37-64)	(55-81)	(36-63)	(91-100)	(91-100)	(59-84)
2017	44	Total no. isolates with sensitivities	38	44	43	44	44	44	42
<i>S. aureus</i>		No. of susceptible isolates	5	38	37	28	44	44	40
		Susceptible Isolates, %	13%	86%	86%	64%	100%	100%	95%
		(95% CI)	(5-28)	(73-94)	(72-94)	(49-76)	(90-100)	(90-100)	(83-100)
2013 vs. 2017		<i>p</i> value	1,000	<0,001	0,081	0,210	1,000	1,000	0,005
2013	72	Total no. isolates with sensitivities	72	-	-	-	72	72	-
<i>Enterococcus</i> spp.		No. of susceptible isolates	22	-	-	-	60	72	-
		Susceptible Isolates, %	31%	-	-	-	83%	100%	-
		(95% CI)	(21-42)	-	-	-	(73-90)	(94-100)	-
2017	56	Total no. isolates with sensitivities	56	-	-	-	56	56	-
<i>Enterococcus</i> spp.		No. of susceptible isolates	19	-	-	-	56	56	-
		Susceptible Isolates, %	34%	-	-	-	100%	100%	-
		(95% CI)	(23-47)	-	-	-	(92-100)	(92-100)	-
2013 vs. 2017		<i>p</i> value	0,706	-	-	-	0,001	1,000	-
2013	10	Total no. isolates with sensitivities	7	-	-	-	7	7	-
Other Gram positive cocci		No. of susceptible isolates	6	-	-	-	7	7	-
		Susceptible Isolates, %	86%	-	-	-	100%	100%	-
		(95% CI)	(47-100)	-	-	-	(60-100)	(60-100)	-
2017	16	Total no. isolates with sensitivities	14	-	-	-	12	13	-
Other Gram positive cocci		No. of susceptible isolates	12	-	-	-	12	13	-
		Susceptible Isolates, %	86%	-	-	-	100%	100%	-
		(95% CI)	(59-97)	-	-	-	(72-100)	(73-100)	-
2013 vs. 2017		<i>p</i> value	1,000	-	-	-	1,000	1,000	-

(-) Antibiotic not tested or not appropriate

*Cefoxitin is used as a surrogate test for cloxacillin sensitivity

CoNS = coagulase-negative staphylococci, P/AMP = penicillin/ampicillin, CLOX = cloxacillin, CD = clindamycin, SXT = trimethoprim-sulfamethoxazole, VA = vancomycin, LZD = linezolid, RIF = rifampicin

Appendix 4. Antibigram for the *Candida* species (first-isolate results), 2013 versus 2017.

		Total <i>n</i> isolates	% Susceptibility to Routinely Tested Antifungal Agents			
			FLU	VOR	MIC	AMB
2013 <i>C. albicans</i>	54	Total no. isolates with sensitivities	33	33	-	-
		No. of susceptible isolates	33	33	-	-
		Susceptible Isolates, % (95% CI)	100% (88-100)	100% (88-100)	-	-
		Total no. isolates with sensitivities	39	38	36	36
2017 <i>C. albicans</i>	48	No. of susceptible isolates	39	38	36	36
		Susceptible Isolates, % (95% CI)	100% (89-100)	100% (89-100)	100% (89-100)	100% (89-100)
		<i>p</i> value	1,000	1,000	-	-
2013 Other <i>Candida</i> spp.	30	Total no. isolates with sensitivities	24	23	-	-
		No. of susceptible isolates	4	8	-	-
		Susceptible Isolates, % (95% CI)	17% (6-36)	35% (19-55)	-	-
		No. of susceptible-dose dependent (SDD) isolates	10			
		Susceptible-dose dependent Isolates, % (95% CI)	42% (24-61)			
		Total no. isolates with sensitivities	26	22	20	26
2017 Other <i>Candida</i> spp.	26	No. of susceptible isolates	3	10	20	26
		Susceptible Isolates, % (95% CI)	12% (3-30)	45% (27-65)	100% (81-100)	100% (85-100)
		No. of susceptible-dose dependent (SDD) isolates	11			
		Susceptible-dose dependent Isolates, % (95% CI)	42% (26-61)			
		<i>p</i> value	0,697	0,550	-	-
		SDD <i>p</i> value	1,000			

(-) Antifungal not tested or not appropriate

FLU = fluconazole, VOR = voriconazole, MIC = micafungin, AMB = amphotericin B