



Yasothon hospitals

ANTIBIOGRAM

2019

Percentage of susceptible Organisms Isolated From All Specimen, Yasothon hospital, 2019



Gram negative

ORGANISM	Total Isolates	BETA - LACTAMS														CARBAPENEMS		POLY MYXINS	QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES			MISCELLANEOUS																	
		Penicillin	Penicillin By Mic	Ampicillin	Amoxicillin/Clavulanic Acid	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin (A)	Cefazolin (U)	Cefuroxime Sodium (Parenteral)	Cefuroxime Sodium (Oral)	Cefoperazone / Sulbactam a	Cefotaxime	Cefotaxime By Mic	Ceftazidime	Ceftazidime By Mic	Ceftriaxone	Ceftriaxone By Mic	Cefepime	Oxacillin	Cefoxitin	Ertapenem	Imipenem	Meropenem	Colistin By Mic	Ciprofloxacin	Ciprofloxacin By Mic	Levofloxacin	Amikacin	Gentamicin	Gentamicin 120 Mg	Vancomycin	Vancomycin By Mic	Teicoplanin	Fosfomicin	Clindamycin	Clindamycin By Mic	Erythromycin	Erythromycin By Mic	Nitrofurantoin (U)	Chloramphenicol	Co-Trimoxazole	Tetracycline
<i>Acinetobacter calcoaceticus-baumannii</i> complex	916	-	-	0	23	-	31.7	0	-	-	53.6	7.2	-	32.4	-	5.3	-	-	-	-	0	32.5	33.7	100	33	-	46.7	62.5	50	-	-	-	-	-	R	0	-	-	-	-	R	27.3	18.3
(inpatient)	898	-	-	0	22.9	-	31.3	0	-	-	52.8	7.1	-	31.7	-	5.3	-	-	-	-	0	31.9	33.2	100	32.6	-	47.7	61.8	50	-	-	-	-	-	R	0	-	-	-	-	R	27.3	19.6
(outpatient)	11	-	-	R	25	-	62.5	-	-	-	87.5	18.2	-	72.7	-	20	-	-	-	-	R	70	72.7	-	50	-	-	90.9	-	-	-	-	-	R	-	-	-	-	-	R	-	0	
<i>Acinetobacter</i> spp.	137	-	-	-	34.7	-	52.6	0	-	-	85.6	15.3	-	50.7	-	13.3	-	-	-	-	0	47.2	49.3	-	62.5	-	44.4	98.4	66.7	-	-	-	-	-	-	-	-	-	-	-	63.6	35.7	
<i>Aeromonas hydrophila</i>	62	-	-	0	51	-	90.2	3.6	-	-	93.9	82.8	-	92.7	-	89.5	-	-	-	-	65.5	50	76.3	-	88.4	-	94.7	-	93.1	-	-	-	-	-	-	-	-	-	-	-	93	70.2	
<i>Burkholderia cepacia</i> complex	8	-	-	R	0	R	100	-	-	-	57.1	29	R r	85.7	-	29	R r	R r	-	-	R	50	100	R	71.4	-	-	71	R r	R r	-	-	-	-	-	-	-	-	-	100	37.5		
<i>Burkholderia pseudomallei</i>	123	-	-	-	-	-	100	0	-	-	98.9	89.7	-	100	-	96.8	-	-	-	-	25	-	99.2	-	35.5	-	100	41.2	0	-	-	-	-	-	-	-	-	-	-	100	-		
<i>Citrobacter freundii</i>	17	-	-	0	50	R	100	44	R	R	100	88.2	-	94.1	-	100	-	-	-	R	100	100	100	-	76.9	-	100	-	100	-	-	-	-	-	-	-	-	-	-	100	71.4		
<i>Enterobacter</i> spp.	357	0	-	19	16.8	-	84.9	14.5	24.1	66.7	-	92.1	64.6	-	77.9	-	79.9	-	-	-	94.8	83.3	96.2	-	75.9	-	86.2	100	91.8	-	100	-	-	-	-	-	0	-	-	-	83.1	73.7	
<i>Escherichia coli</i> (all isolates)	1203	-	-	15.2	77.4	-	88.2	53.1	45.6	0	-	92.3	48.4	-	57.5	-	54.6	-	-	-	95.8	95.1	96.7	100	39.6	-	54	100	72.1	-	-	-	-	-	-	-	0	-	-	50	45.2	29.3	
(Urine-inpatient)	439	-	-	24.1	73.4	-	84.8	96.3	42.9	0	-	90.2	39	-	46.1	-	44.8	-	-	-	94.7	92.5	95	100	27.6	-	37.5	100	68.2	-	-	-	-	-	-	-	-	-	0	37.5	21.5		
(Urine-outpatient)	82	-	-	20	80.9	-	97	57.9	57.9	-	-	94.6	48.4	-	65.7	-	61.3	-	-	-	96.3	100	100	-	26.9	-	18.2	-	61.7	-	-	-	-	-	-	-	-	-	-	-	37.5	21.3	
<i>Klebsiella oxytoca</i>	6	-	-	0	83.3	-	100	66.7	-	100	100	50	-	83.3	-	100	-	-	-	-	100	-	83.3	-	75	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	83.3	100	
<i>Klebsiella pneumoniae</i> (all isolates)	1111	-	-	1.4	61.7	-	59.6	58	39.5	100	-	73	48.6	-	57.7	-	58.6	-	-	-	91.3	85.5	91	60	43.2	-	57.8	0	91.9	-	0	-	-	-	-	-	-	-	-	-	58.9	58.5	
(inpatient)	1062	-	-	1.4	60.2	-	58.3	-	38.2	100	-	72	47.1	-	56.2	-	57	-	-	-	91	85.2	90.6	60	42.6	-	56	0	91.9	-	0	-	-	-	-	-	-	-	-	-	57.8	57.5	
(outpatient)	52	-	-	0	87.5	-	81	82	55.6	-	-	89.7	73.9	-	81.2	-	86.7	-	-	-	94.1	100	96.1	-	56.7	-	85.7	-	92	-	-	-	-	-	-	-	-	-	-	78	73.8		

a : No CLSI Interpretive Criteria. Interpret according to cefoperazone/sulbactam in Enterobacteriaceae
 b : Blood, Pleural Fluid
 c : Sputum, Ear, Sinus
 d : Interpret according to oxacillin susceptibility test
 e : MIC Interpretive Criteria

f : Interpret according to cefoxitin susceptibility test
 h : High-Level Aminoglycoside
 u : Urine, Urine Catheter, Urine Clean- Voided
 WT : Wild-type
 R : Intrinsic resistance
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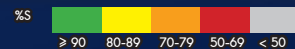
Percentage of susceptible Organisms Isolated From All Specimen, Yasothon hospital, 2019



ORGANISM	Total Isolates	BETA - LACTAMS														CARBAPENEMS		POLY MYXINS	QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES			MISCELLANEOUS																			
		Penicillin	Penicillin By Mic	Ampicillin	Amoxicillin/Clavulanic Acid	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin (A)	Cefazolin (U)	Cefuroxime Sodium (Parenteral)	Cefuroxime Sodium (Oral)	Cefepime / Sulbactam a	Cefotaxime	Cefotaxime By Mic	Ceftazidime	Ceftazidime By Mic	Ceftriaxone	Ceftriaxone By Mic	Cefepime	Oxacillin	Cefoxitin	Ertapenem	Imipenem	Meropenem	Colistin By Mic	Ciprofloxacin	Ciprofloxacin By Mic	Levofloxacin	Amikacin	Gentamicin	Gentamicin 120 Mg	Vancomycin	Vancomycin By Mic	Teicoplanin	Fosfomicin	Clindamycin	Clindamycin By Mic	Erythromycin	Erythromycin By Mic	Nitrofurantoin (U)	Chloramphenicol	Co-Trimoxazole	Tetracycline		
<i>Morganella morganii</i>	23	-	-	0	15.4	-	100	11.1	R	R	R	100	81.8	-	94.7	-	100	-	-	-	-	95.7	100	100	R	81.2	-	80	-	95.2	-	-	-	-	-	-	-	-	-	-	R	-	91.3	70	
<i>Proteus mirabilis</i>	166	-	-	33.3	82.5	-	98.4	73.2	74	-	-	98.5	87.9	-	97.3	-	93.7	-	-	-	-	98.8	76.9	94.4	R	86.8	-	93.8	-	92.6	-	-	-	-	-	-	-	-	-	-	R	-	77.3	16.4	
<i>Proteus vulgaris</i>	29	-	-	100	84.6	-	100	42.9	R	R	R	100	90.9	-	90.5	-	91.7	-	-	-	-	100	60	100	R	72.7	-	75	-	89.3	-	-	-	-	-	-	-	-	-	-	-	R	-	72.4	80.4
<i>Providencia rettgeri</i>	16	-	-	0	18	-	91.7	43	R	-	-	91.7	87.5	-	93.3	-	92.3	-	-	-	-	100	-	100	R	81.8	-	60	-	100	-	-	-	-	-	-	-	-	-	-	-	R	-	68.8	45.5
<i>Providencia spp.</i>	13	-	-	0	12.5	-	91.7	15.4	0	-	-	91.7	75	-	77.8	-	80	-	-	-	-	92.3	100	91.7	-	75	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	83.3	41.7	
<i>Pseudomonas aeruginosa</i>	509	-	-	0	5.6	R	85.6	0	-	-	-	93	29	R	88.6	-	54	R	-	-	-	0	85.1	86.1	-	90.1	-	85.2	98.2	100	-	-	-	-	-	-	-	-	-	-	-	R	13	15	
<i>Salmonella spp.</i>	46	-	-	58.8	96	-	100	96.6	-	-	-	96.4	90.9	-	96.8	-	100	-	-	-	-	100	100	100	-	32	-	-	100	97.7	-	-	-	-	-	-	-	-	-	-	9.1	-	91.7	91.1	87.5
<i>Serratia marcescens</i>	4	-	-	R	33	R	100	0	R	R	R	100	100	-	100	-	100	-	-	-	R	100	-	100	R	100	-	100	-	100	-	-	-	-	-	-	-	-	-	-	R	-	100	83.3	
<i>Stenotrophomonas maltophilia</i>	2	-	-	R	0	R	R	-	-	-	-	100	50	R	0	-	50	R	-	-	-	R	50	0	-	100	-	100	100	R	R	-	-	-	-	-	-	-	-	-	-	-	-	50	
<i>Vibrio parahaemolyticus</i>	3	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	66.7	-	100	100	100
<i>Enterococcus faecalis</i>	325	54.8	-	88.1	77.6	-	0	R	19	R	R	0	R	0	R	4.2	R	R	-	-	-	0	-	3.4	-	-	100	2.4	-	58.3	94.4	-	-	1	R	3.4	-	50	10	0					
<i>Enterococcus faecium</i>	2	50	-	0	0	-	R	R	50	R	R	R	R	R	R	100	R	R	-	-	-	-	-	-	-	-	R	R	100	-	-	-	-	0	R	0	-	50	R	-					
<i>Enterococcus spp.</i>	145	80.6	-	86.7	74.6	-	80	0	-	21.9	-	100	83.3	-	71.4	-	8.2	-	-	-	-	100	-	100	-	11.1	-	0	-	61.5	64	100	-	-	3.7	-	4.1	-	49.1	14.3	0				
<i>Staphylococcus aureus (all isolates)</i>	567	9.1	-	7.8	92.9	-	100	95.3	-	100	-	100	-	100	-	89.9	-	-	-	-	-	100	100	-	100	-	-	100	80	-	0	-	-	-	-	82.3	-	76.3	-	93.8	81.2	80			
(inpatient)	528	9.7	-	8.6	92.6	-	100	95.5	-	100	-	100	-	100	-	90.3	-	-	-	-	-	100	100	-	100	-	-	100	80	-	0	-	-	-	82.1	-	76.7	-	93.7	81.2	80				
(outpatient)	38	0	-	0	90	-	91.9	-	-	-	-	-	-	-	-	82.9	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	81.6	-	63.9	-	94.7	-	-					

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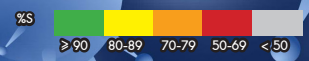


Gram positive

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		Penicillin	Penicillin By Mic	Ampicillin	Amoxicillin/Clavulanic Acid	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin (A)	Cefazolin (U)	Cefuroxime Sodium (Parenteral)	Cefuroxime Sodium (Oral)	Cefoperazone / Sulbactam a	Cefotaxime	Cefotaxime By Mic	Ceftazidime	Ceftazidime By Mic	Ceftriaxone	Ceftriaxone By Mic	Cefepime	Oxacillin	Cefoxitin	Ertapenem	Imipenem	Meropenem	Colistin By Mic	Ciprofloxacin	Ciprofloxacin By Mic	Levofloxacin	Amikacin	Gentamicin	Gentamicin 120 Mg	Vancomycin	Vancomycin By Mic	Teicoplanin	Fosfomicin	Clindamycin	Clindamycin By Mic	Erythromycin	Erythromycin By Mic	Nitrofurantoin (U)	Chloramphenicol	Co-Trimoxazole	Tetracycline
<i>Staphylococcus, coagulase negative</i>	623	11.4 (472)	-	13.6 (59)	68.3 (347)	-	63 (589)	-	76.1 (71)	-	100 (1)	0 (2)	-	80 (5)	-	46.2 (506)	-	-	-	-	-	100 (1)	100 (1)	-	-	14.3 (14)	-	-	66.7 (3)	50 (14)	-	0 (540)	-	-	-	44.1 (610)	-	37.9 (599)	-	-	85.9 (587)	57.7 (26)	0 (1)
<i>Staphylococcus, coagulase negative (blood)</i>	357	14.5 (275)	-	23.1 (13)	75 (216)	-	70 (353)	-	79.7 (64)	-	-	-	-	50 (2)	-	51.6 (304)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0 (315)	-	-	-	46.3 (352)	-	40.7 (349)	-	-	89.7 (350)	60 (25)	-	
<i>Streptococcus agalactiae</i>	7	85.7 (7)	-	0 (1)	0 (4)	-	-	0 (6)	-	-	-	-	-	-	-	75 (4)	-	-	-	-	-	-	-	-	0 (1)	-	-	0 (1)	-	100 (5)	-	-	-	57.1 (7)	-	57.1 (7)	-	-	100 (6)	-	-		
<i>Streptococcus, β-hemolytic not Group A,B</i>	137	85.3 (95)	-	83.3 (18)	0 (83)	-	85.7 (7)	0 (132)	-	-	-	-	-	50 (2)	-	78.4 (111)	-	-	-	-	-	0 (1)	-	100 (2)	-	-	-	33.3 (3)	-	94.2 (120)	-	-	-	66.7 (132)	-	57.6 (132)	-	-	73.5 (132)	0 (5)	0 (1)		
<i>Streptococcus pyogenes</i>	121	96.3 (109)	-	93.8 (16)	0 (71)	-	100 (5)	0 (118)	-	-	-	-	-	-	-	96.1 (102)	-	-	-	-	-	-	-	0 (2)	-	-	-	0 (2)	-	97.3 (112)	-	-	-	91.6 (119)	-	89.9 (119)	-	-	93.9 (115)	-	-		
<i>Streptococcus pneumoniae (all isolates)</i>	35	-	-	0 (1)	-	100 (3)	-	-	-	-	-	-	-	-	-	0 (33)	-	-	-	-	-	-	-	-	-	-	-	-	100 (27)	-	-	-	77.1 (35)	-	63.3 (30)	-	-	93.9 (33)	0 (4)	0 (1)			
(age 0-5 years old)	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0 (3)	-	-	-	-	-	-	-	-	-	-	-	-	100 (2)	-	-	-	66.7 (3)	-	66.7 (3)	-	-	100 (3)	-	-			
(age > 5 years old)	32	-	-	0 (1)	-	100 (3)	-	-	-	-	-	-	-	-	-	0 (30)	-	-	-	-	-	-	-	-	-	-	-	-	100 (25)	-	-	-	78.1 (32)	-	63 (27)	-	-	93.3 (30)	0 (4)	0 (1)			
(Sterile sites) b	23	-	-	0 (1)	-	100 (3)	-	-	-	-	-	-	-	-	-	0 (21)	-	-	-	-	-	-	-	-	-	-	-	-	100 (17)	-	-	-	91.3 (23)	-	75 (20)	-	-	95.2 (21)	0 (2)	-			
(Non-sterile sites) c	14	-	-	-	-	100 (1)	-	-	-	-	-	-	-	-	-	0 (14)	-	-	-	-	-	-	-	-	-	-	-	-	100 (12)	-	-	-	50 (14)	-	41.7 (12)	-	-	92.9 (14)	0 (2)	0 (1)			

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