

Table. Details of antibiotic resistance from selected research papers

Name of the Institute	Year of Publishing	Sample origin	Resistance (%) observed			
				Cipro	Doxy	Tetra
Sree Siddhartha Medical College, Tumkur, Karnataka	2011	UTI patients from different hospitals in Tumkur and Bangalore	<i>E. coli</i>	76		
			<i>Klebsiella</i> spp.	37		
			<i>Enterococcus</i> spp.	70		
			<i>Pseudomonas</i> spp.	85		
Fortis Escorts Hospitals, Jaipur, Rajasthan	2012	Urine samples from different OPDs from people suffering from urinary tract infections	<i>E. coli</i> : 2007	82.4		
			2008	74.3		
			2009	73.9		
Seth GS Medical College and KEM Hospital, Mumbai	2013	Clinical isolates of enterococci	<i>E. faecalis</i>	95.1		80.9
			<i>E. faecium</i>	96.5		93.1
Karpaga Vinayaga Institute of Medical Sciences, Pondicherry	2013	Samples like pus, urine, pleural fluid, sputum, blood, endotracheal secretion obtained from OPD, in-patient wards and ICU	<i>E. coli</i>	69		
			<i>Klebsiella</i> spp.	60		
			<i>Citrobacter</i> spp.	44.9		
			<i>Enterobacter</i> spp.	32.9		
			<i>Proteus</i> spp.	49.7		
			<i>Pseudomonas</i> spp.	52.2		
Basaveshwara Medical College and Hospital, Chitradurga, Karnataka	2012	Samples from IPD and OPD (Samples include wound swab, pus, urine, ear discharge, blood culture, sputum and other)	<i>Pseudomonas aeruginosa</i> (resistance range, across all samples)	74.4-98.5	28.6-88.4	
Dr. Vasant Rao Pawar Med. College, Nashik	2014	Clinical samples	<i>E. faecalis</i>	80.5		
			<i>E. faecium</i>	86.2		
			<i>E. durans</i>	87.5		
			<i>E. raffinosus</i>	83.3		
Nizam's Institute of Medical Sciences, Hyderabad	2010	Hospital acquired infections (nosocomial pathogens).	Methicillin resistant <i>S. aureus</i> (MRSA) 2007	85		
			Methicillin resistant <i>S. aureus</i> (MRSA) 2007, 2008			72, 61
			<i>E. coli</i> 2007, 2008	89, 91		
			<i>Klebsiella</i> spp. 2007, 2008	64, 66		
			<i>Pseudomonas aeruginosa</i> 2007, 2008	54, 80		
			<i>Acinetobacter</i> spp. 2007, 2008	71, 81		
			<i>Enterococcus</i> spp. 2008	89		78
Sawai Man Singh Medical College, Jaipur	2014	Urine samples collected from various IPDs and OPDs from patients suffering from urinary tract infections.	<i>E. coli</i> IPD, OPD	87, 81		
			<i>Klebsiella</i> spp. IPD, OPD	67, 50		
			<i>Pseudomonas</i> spp. IPD, OPD	66, 70		
			<i>Enterobacter</i> spp. IPD, OPD	65, 70		
			<i>Acinetobacter</i> spp. IPD, OPD	50, 64		

			<i>Proteus</i> spp. IPD, OPD	63, 50		
			<i>Hafnia</i> spp. IPD, OPD	60, 64		
			<i>Citrobacter</i> spp. IPD, OPD	67, 67		
			<i>Enterococcus</i> spp. IPD, OPD	78, 75		100, 50
Sir Ganga Ram Hospital, New Delhi	2014	Blood samples from ICUs-general adult ICU, coronary care unit (CCU), surgical ICU and Liver, kidney and bone marrow transplant ICUs.	<i>E. coli</i>	93		
			<i>Klebsiella</i> spp.	91		
			<i>Acinetobacter</i> spp	89		
			<i>Pseudomonas aeruginosa</i>	71		
Vardhman Mahavir Medical College & Safdarjang Hospital, Delhi	2013	Pus/exudates and blood samples from intra-abdominal infections (peritonitis). Majority of specimens were obtained during surgery. Some from post-operatively from cases of burst abdomens.	<i>E. coli</i>	78.7		
			<i>Klebsiella</i> spp.	66.7		
			<i>Acinetobacter</i> spp.	75		
			<i>Pseudomonas aeruginosa</i>	66.7		
			<i>Enterobacter</i> spp.	100		
			<i>Citrobacter</i> spp.	100		
			<i>Proteus</i> spp.	0		
			<i>S. aureus</i>	50		
Postgraduate Institute of Medical Sciences, Rohtak, Haryana	2014	Endotracheal aspirates and bronchoalveolar lavage samples from patients suffering from ventilator associated pneumonia at the Pulmonary and Critical Care Medicine Dept. were collected.	<i>Acinetobacter baumannii</i>	87	82.6	
			<i>Klebsiella pneumoniae</i>	66.6	53.3	
			<i>Citrobacter freundii</i>	66.7	50	
			<i>Enterobacter</i> spp.	100	100	
PGIMER, Chandigarh	2010	Bacterial isolates from pus, sputum and blood.	ESBL producers			
			<i>E. coli</i>	92		
			<i>Klebsiella pneumoniae</i>	80		
			<i>Enterobacter areogenes</i>	80		
			<i>A. anitratus</i>	84		
			<i>A. faecalis</i>	33.3		
			Non-ESBL producers			
			<i>E. coli</i>	72		
			<i>Klebsiella pneumoniae</i>	60		
			<i>Enterobacter areogenes</i>	40		
			<i>A. anitratus</i>	80		
			<i>P. aeruginosa</i>	64		
			<i>A. faecalis</i>	40		

Cipro -ciprofloxacin, doxy-doxycycline and tetra-tetracycline.

Karpaga Vinayaga Institute of Medical Sciences, Pondicherry; Nizam's Institute of Medical Sciences, Hyderabad and Sawai Man Singh Medical College, Jaipur had published data as percentage susceptible/sensitive. Percentage resistance was calculated as 100-percentage susceptible/sensitive after confirming it with the authors.

