A hospital antibiogram is a mirror of the situation of the pathologic organism's status in your hospital along with the area surrounding you. It will even show the situations where you are getting patients every day. So analysis of your antibiogram is very much essential and sharing it will help millions of people in your geographical area.
With this article which comprises 878 positive isolates from January 2023 to December 2023, we will have a glance at the situation currently we are in.

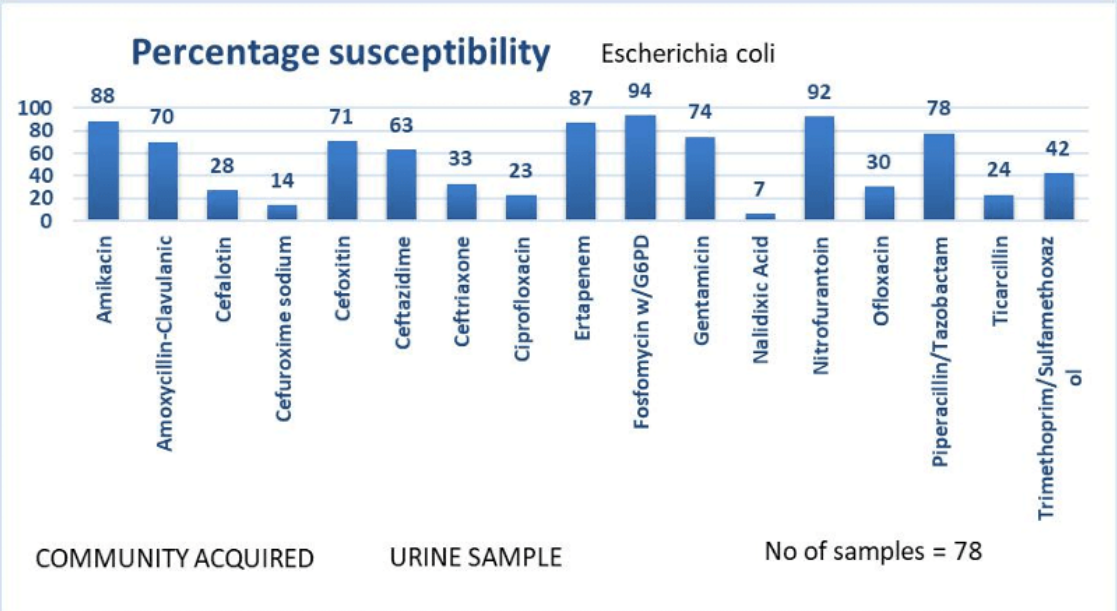
JAN 2023- December 2023

CULTURE POSITIVE SAMPLE SIZE = 878

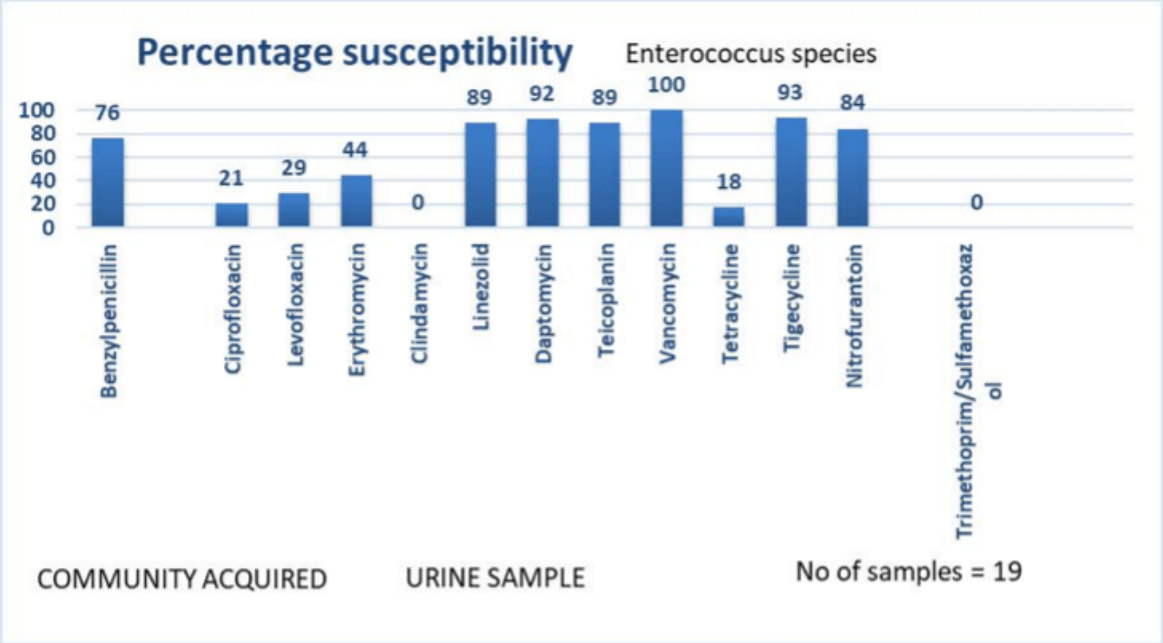
A.OPD ANTIBIOGRAM

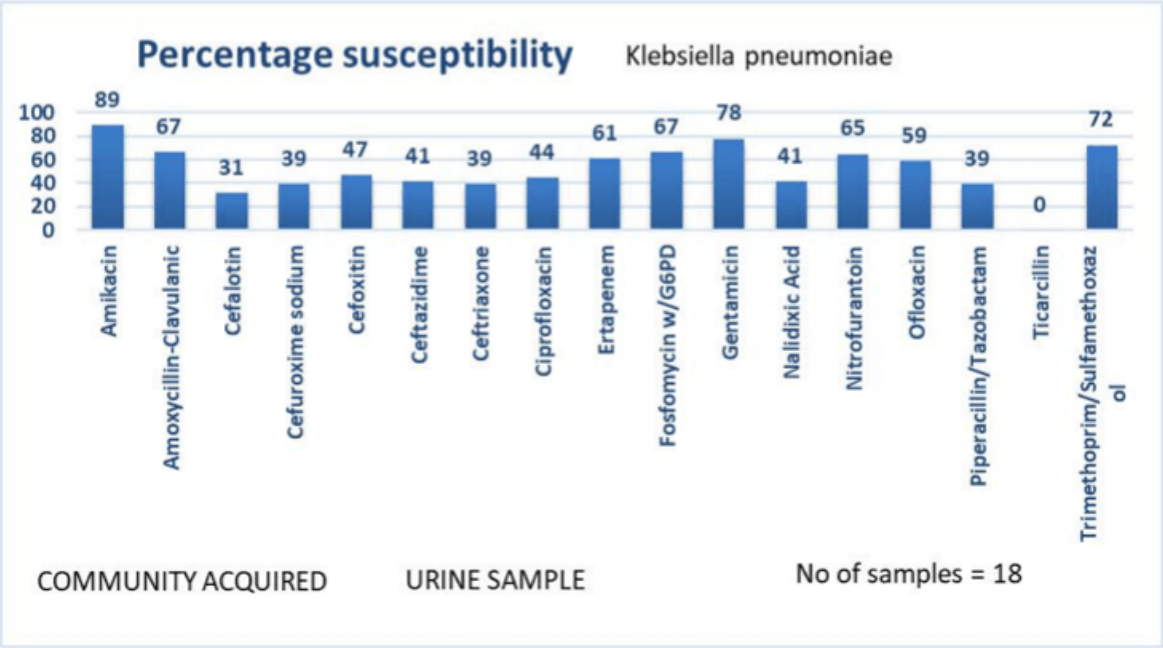
URINE INFECTIONS- OPD ANTIBIOGRAM

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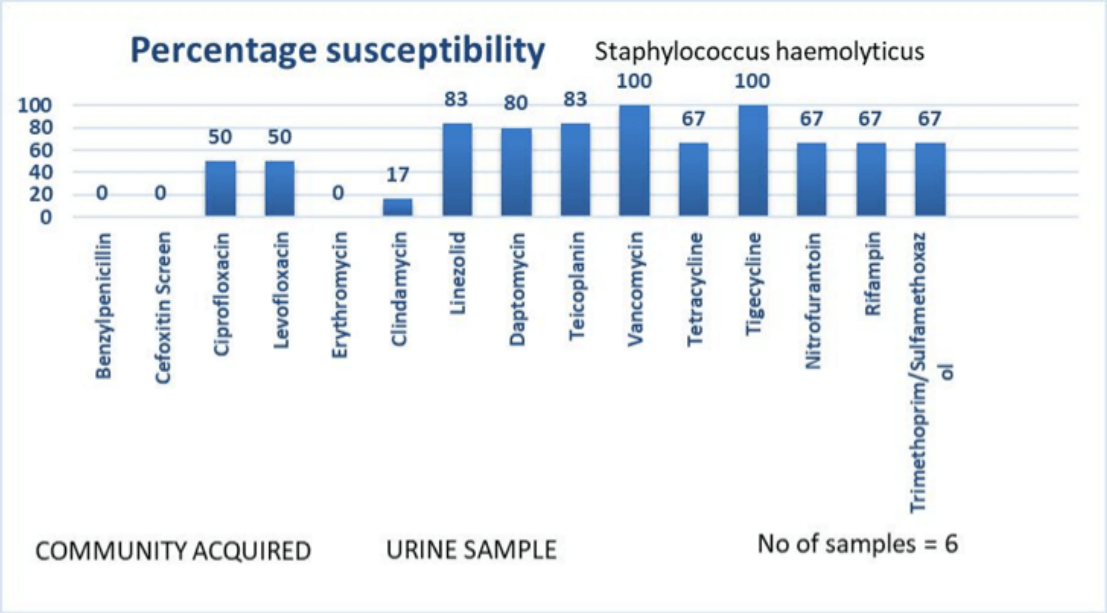


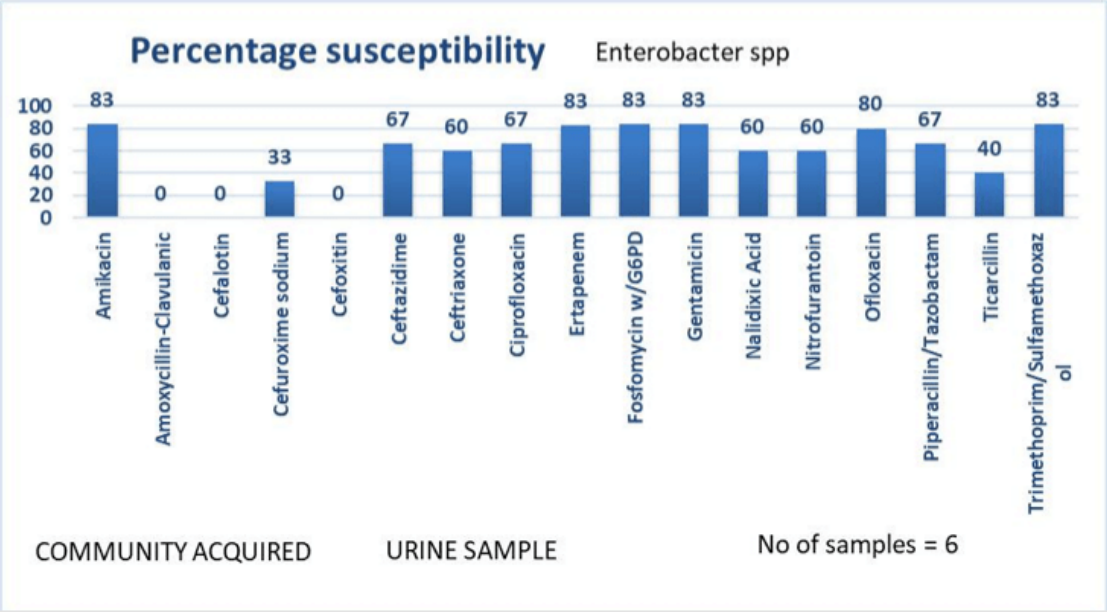
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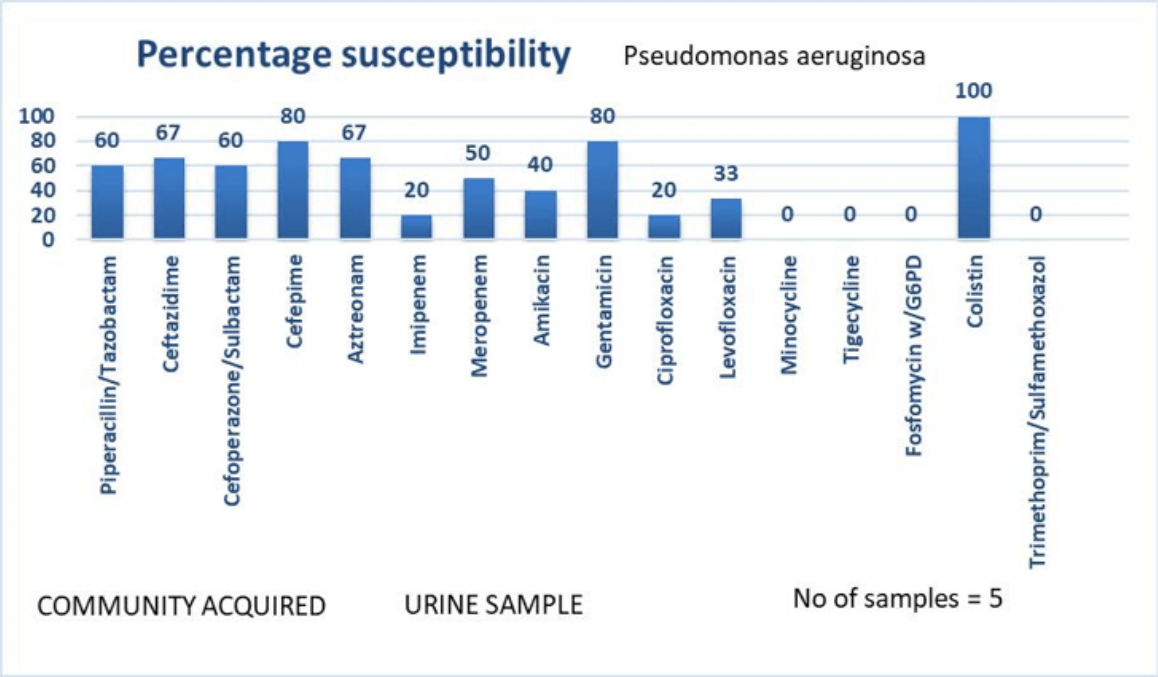


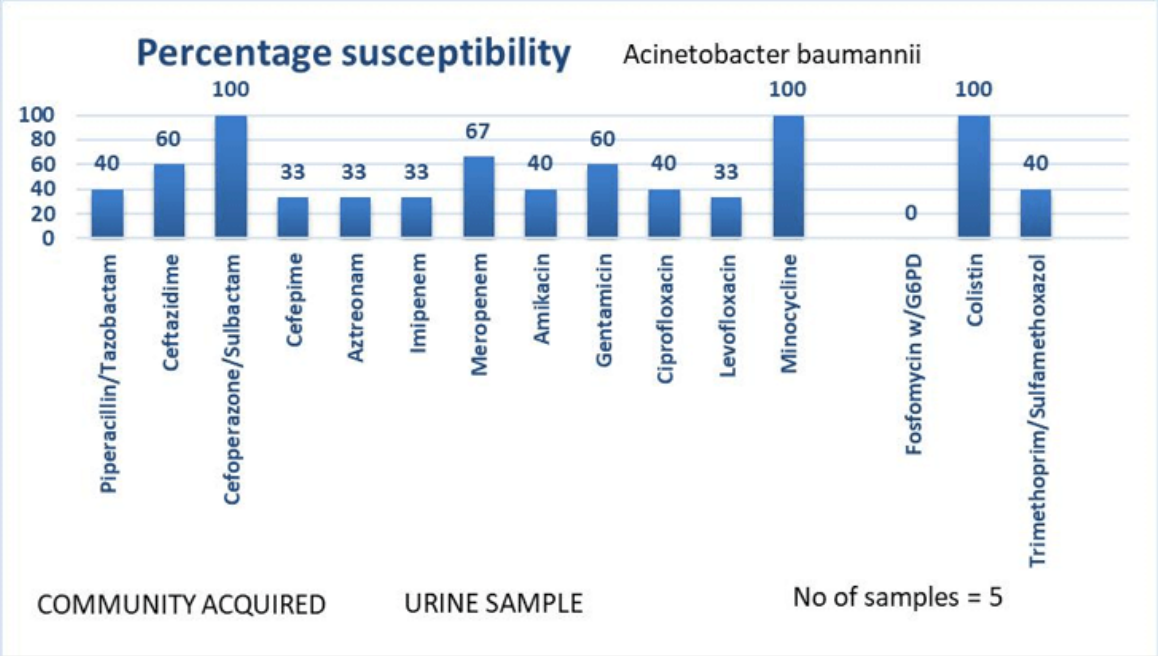
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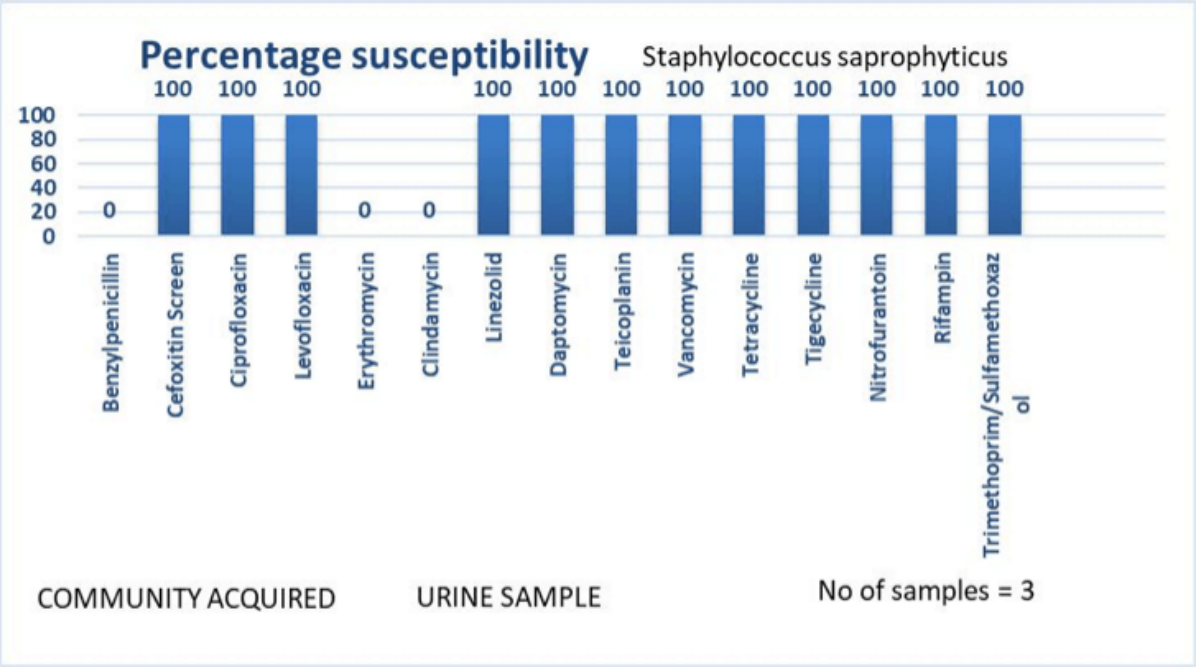


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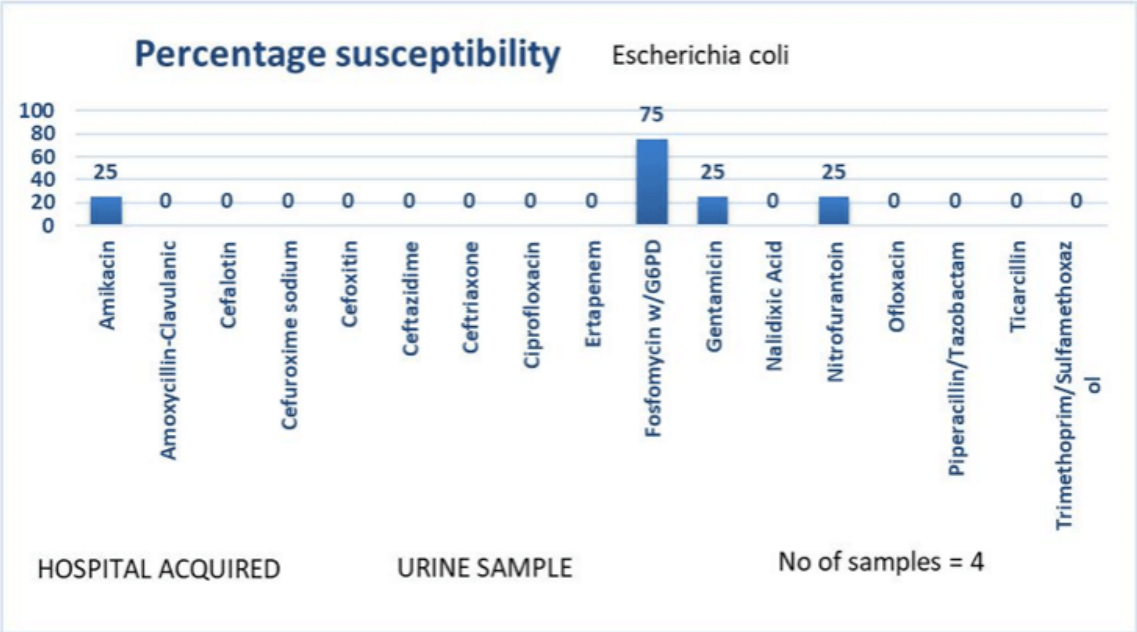


3 cases of Proteus spp, 2 cases each of Citrobacter spy, Elizabethkingia spp, and Streptococcus agalactiae

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URINE INFECTIONS - OPD ANTIBIOGRAM

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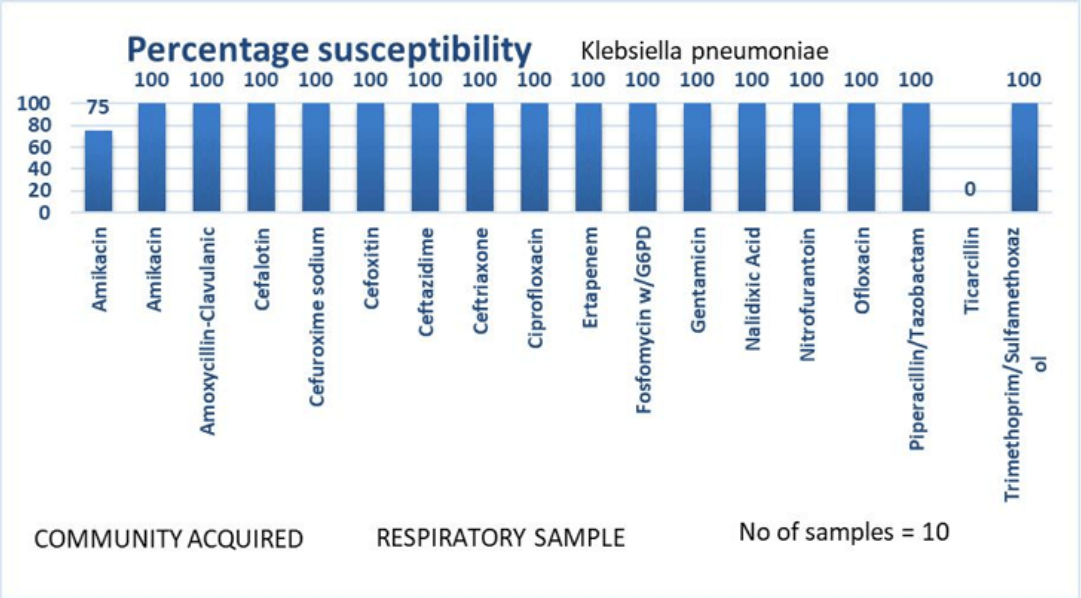


1 case each of Klebsiella spp, Enterococcus spp and Pseudomonas spp

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RESPIRATORY TRACT INFECTIONS (RTI)- OPD ANTIBIOGRAM

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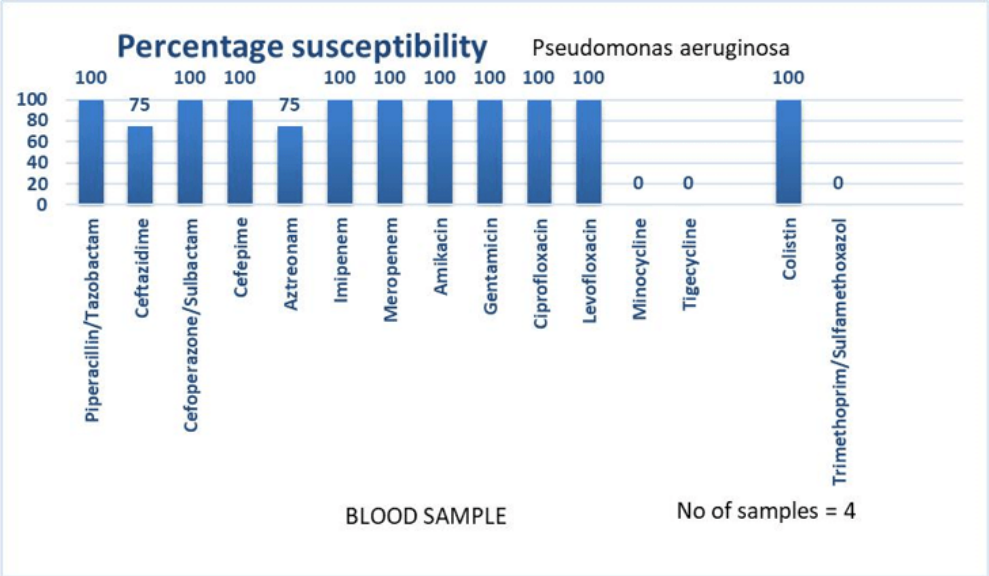


1 case each of Klebsiella spp, Enterococcus spp and Pseudomonas spp

4 cases of Streptococcus pneumoniae.

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BLOOD INFECTIONS - OPD ANTIBIOGRAM

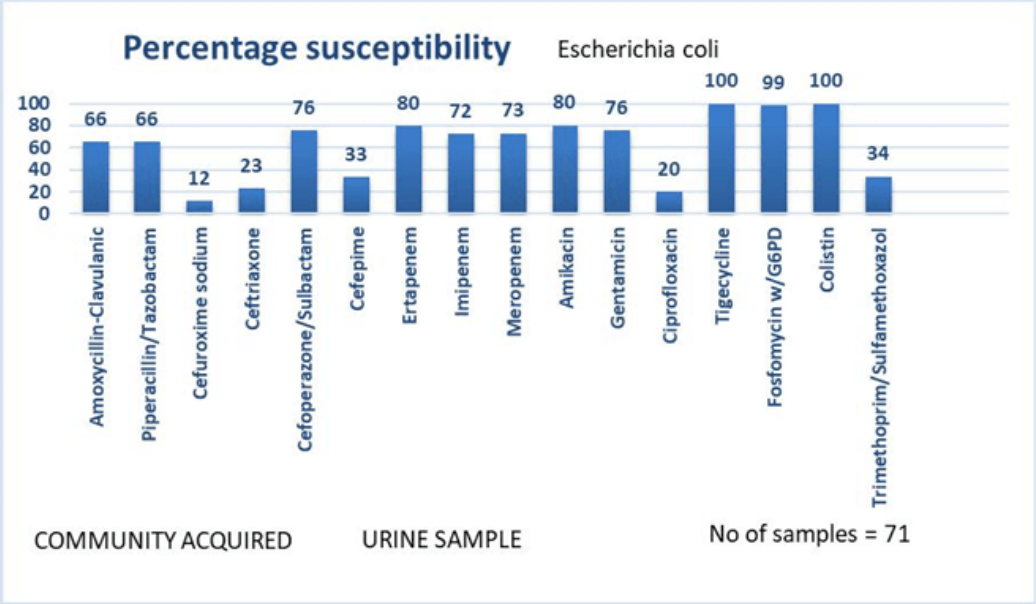


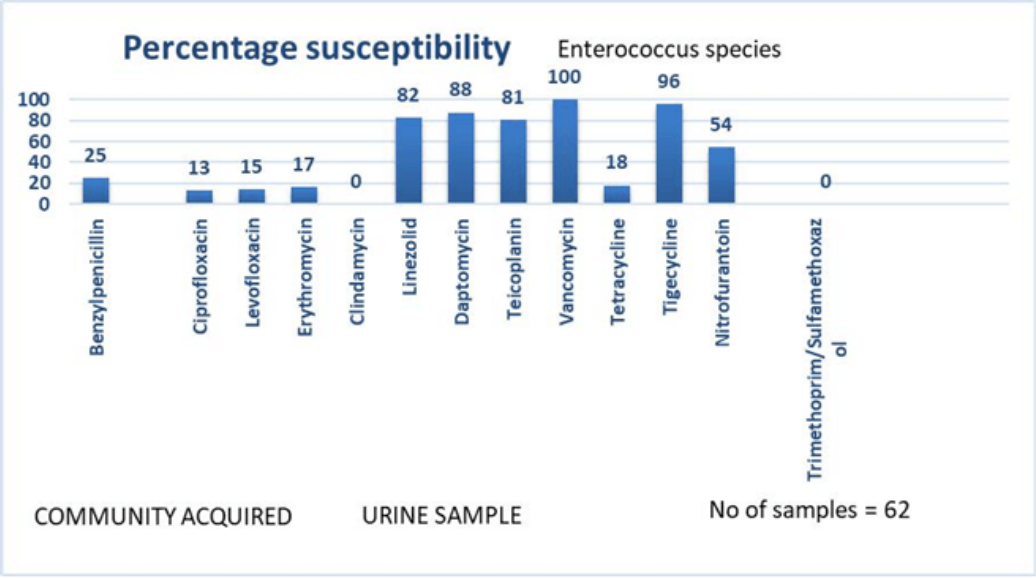
2 cases each of Candida spp, Elizabethkingia spp and Saphylococcus spp, 1 case each of Citrobacter spp, E.coli and Stenotrophomonas spp

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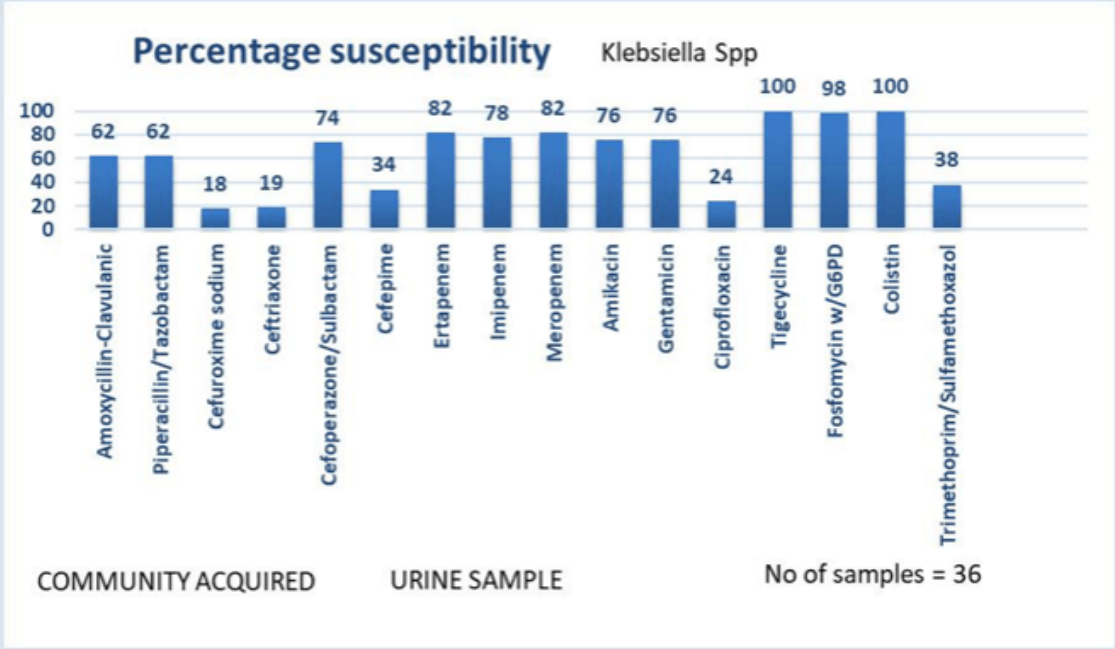
URINARY TRACT INFECTIONS (UTI)- INDOOR ANTIBIOGRAM

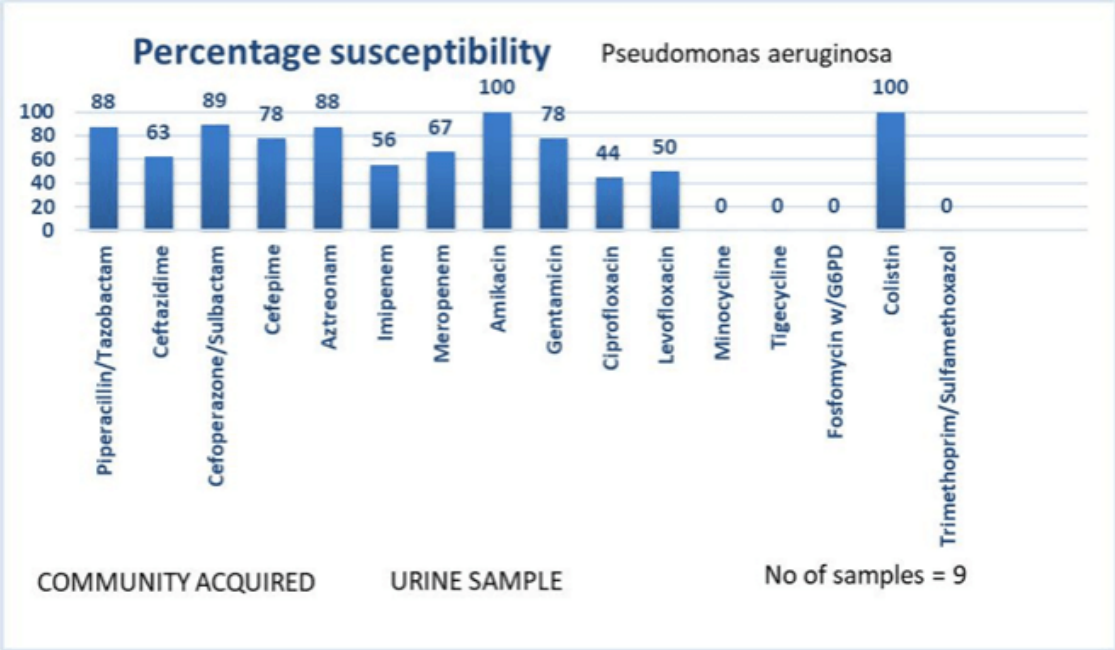
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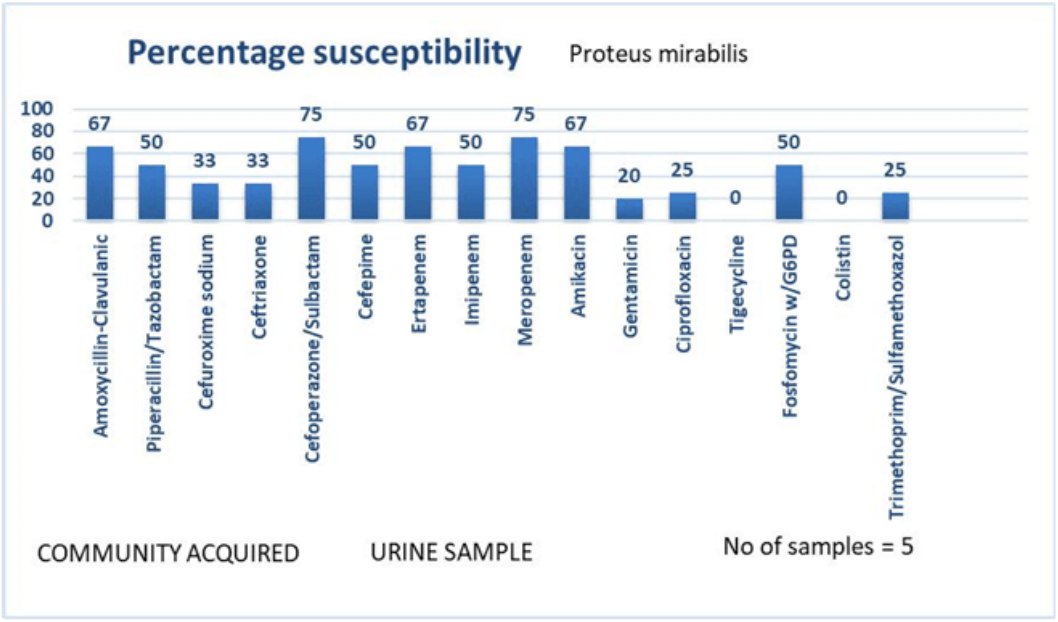


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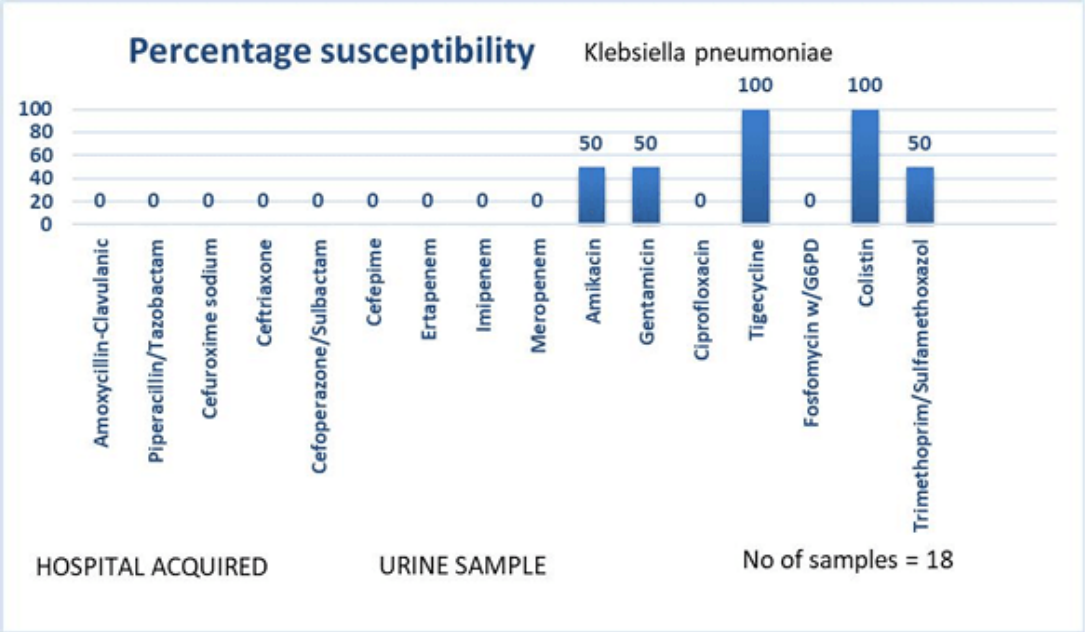


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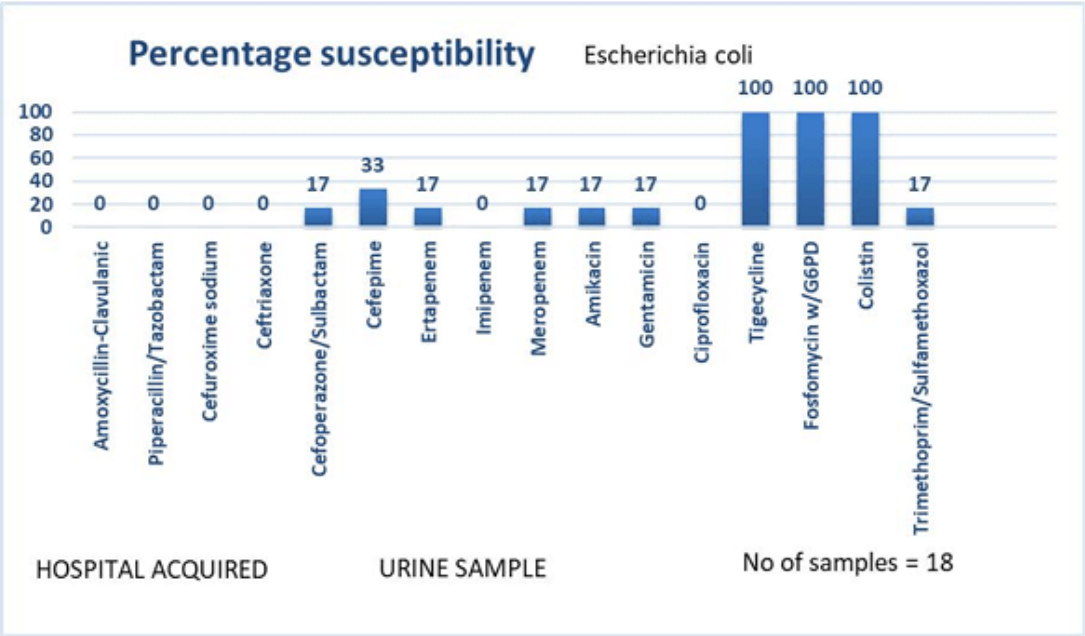


3 cases each of Staphylococcus haemolyticus Coagulase-negative Staphylococcus species and Acinetobacter species. 2 cases of Staphylococcus saprophyticus and Citrobcter species. 1 case each of Serratia species, Providencia species and Sphingomonas species.

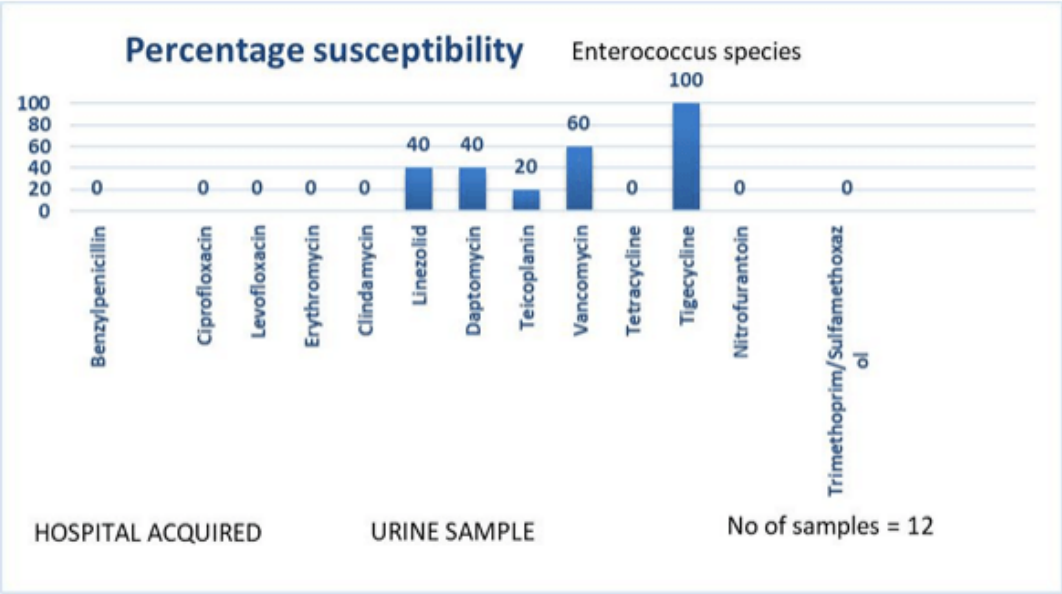
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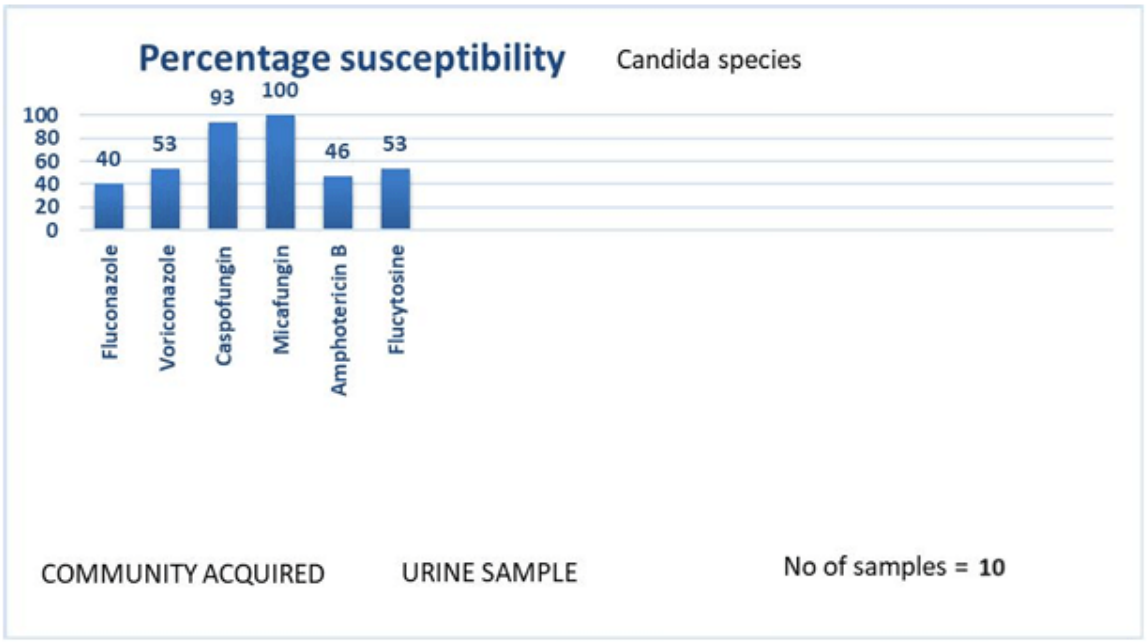


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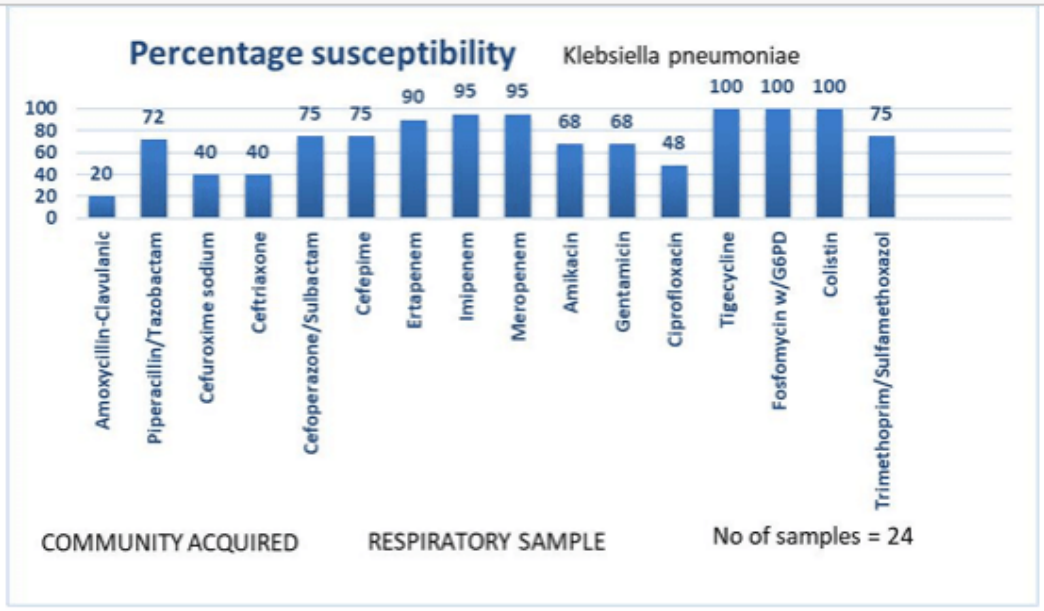
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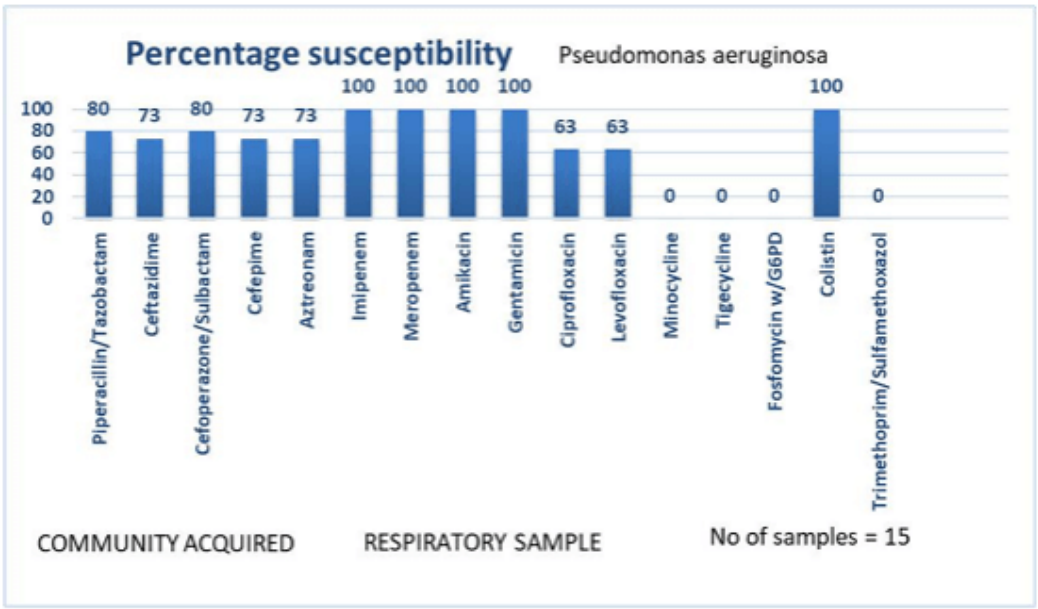




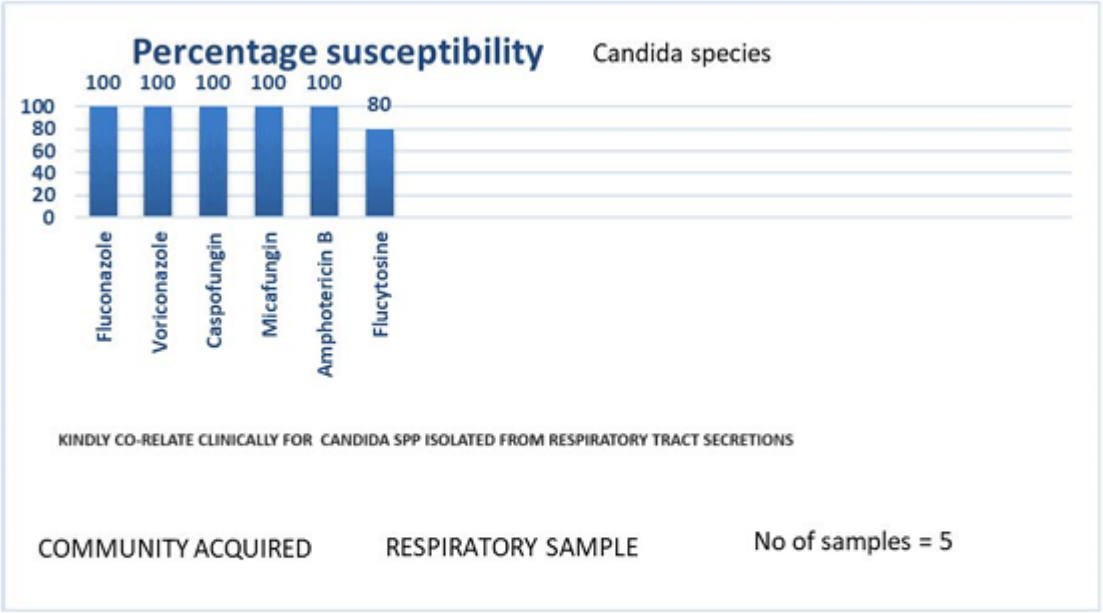
3 cases of Enterobacter species and 2 cases of Staphylococcus haemolyticus.

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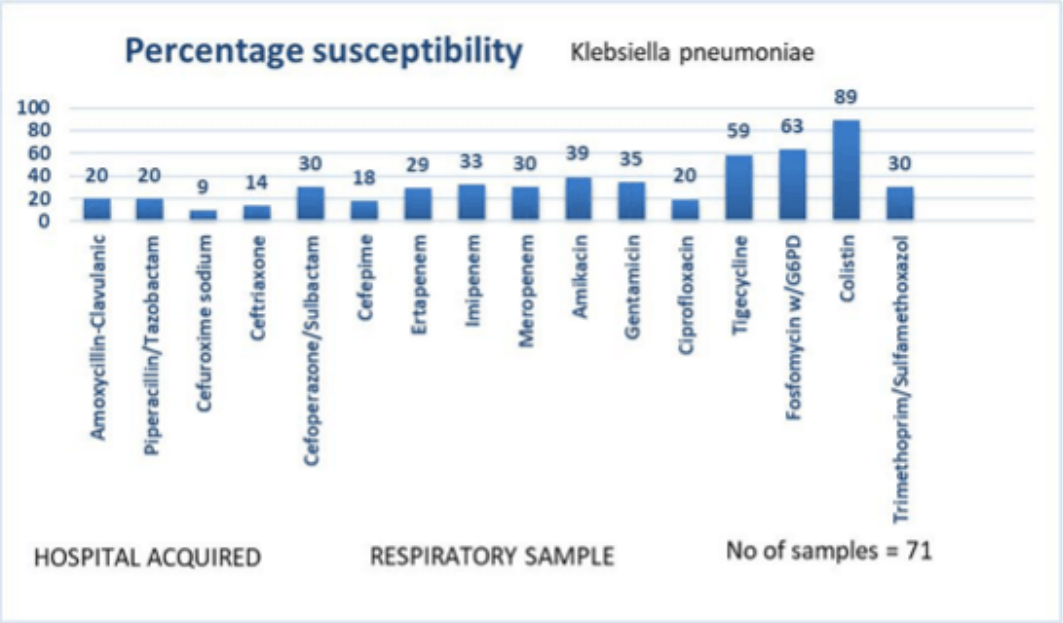


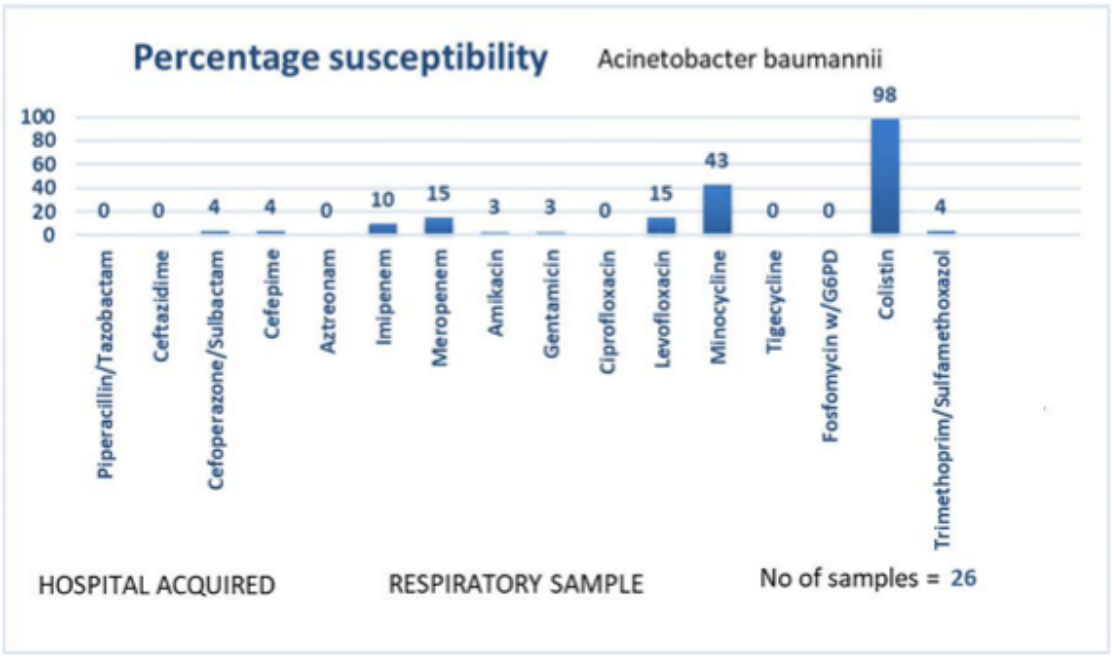
3 cases of Streptococcus pneumonaie, 3 cases of Burkolderia species

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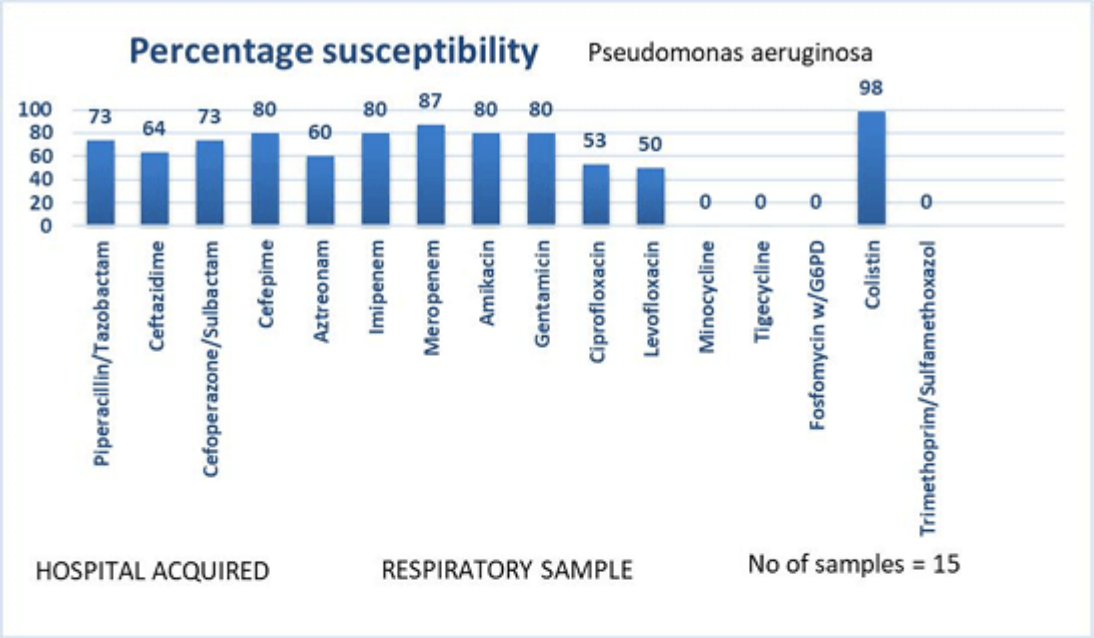
RESPIRATORY TRACT INFECTIONS - INDOOR ANTIBIOGRAM

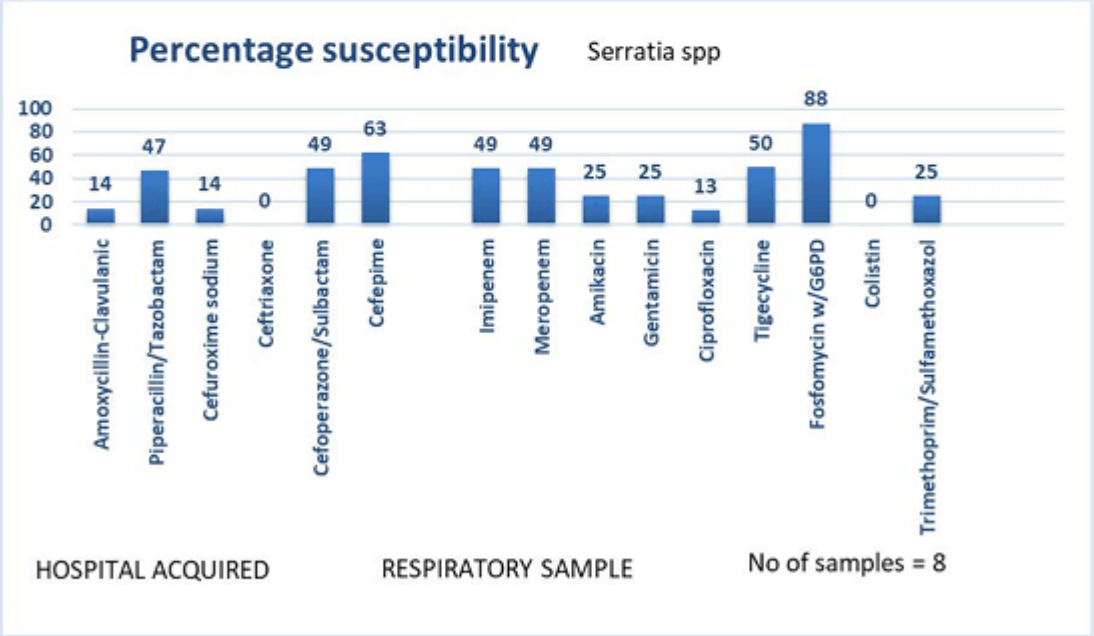
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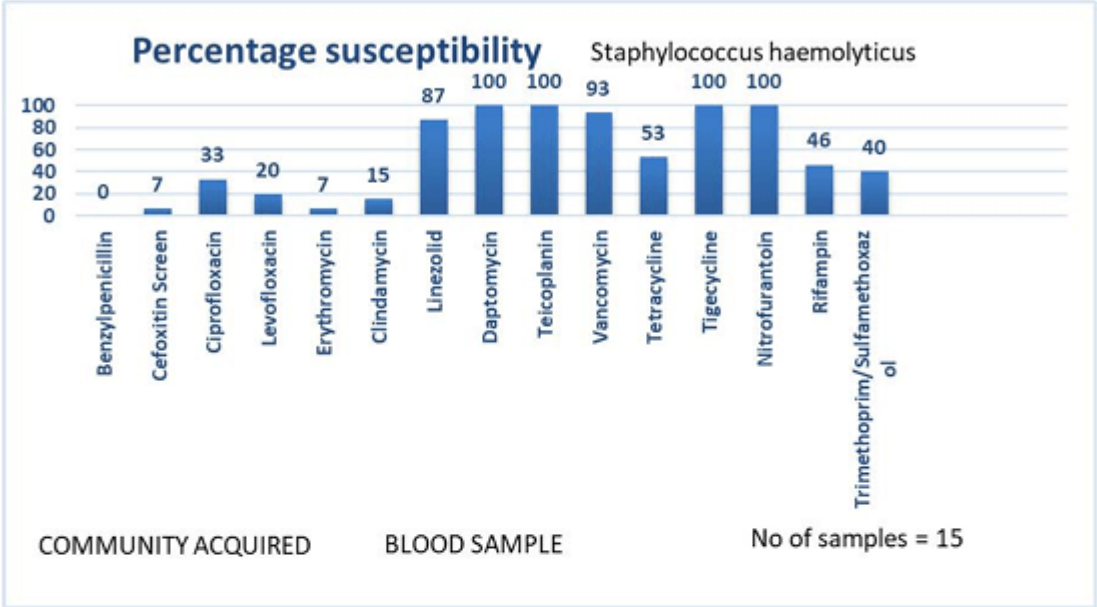


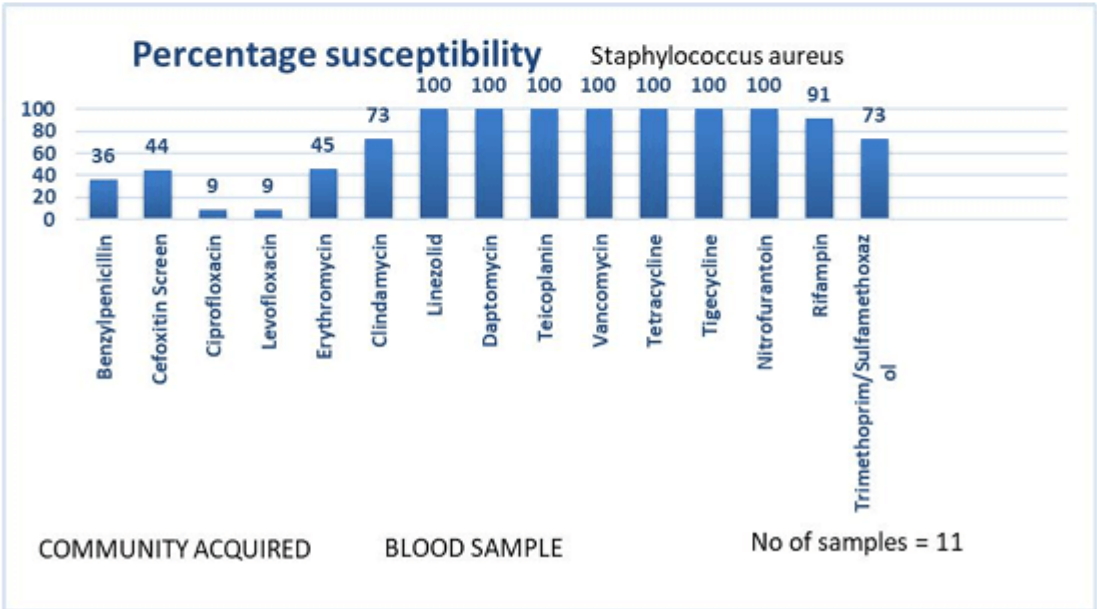
4 cases of Ecoli and 4 cases of Enterobacter spp.

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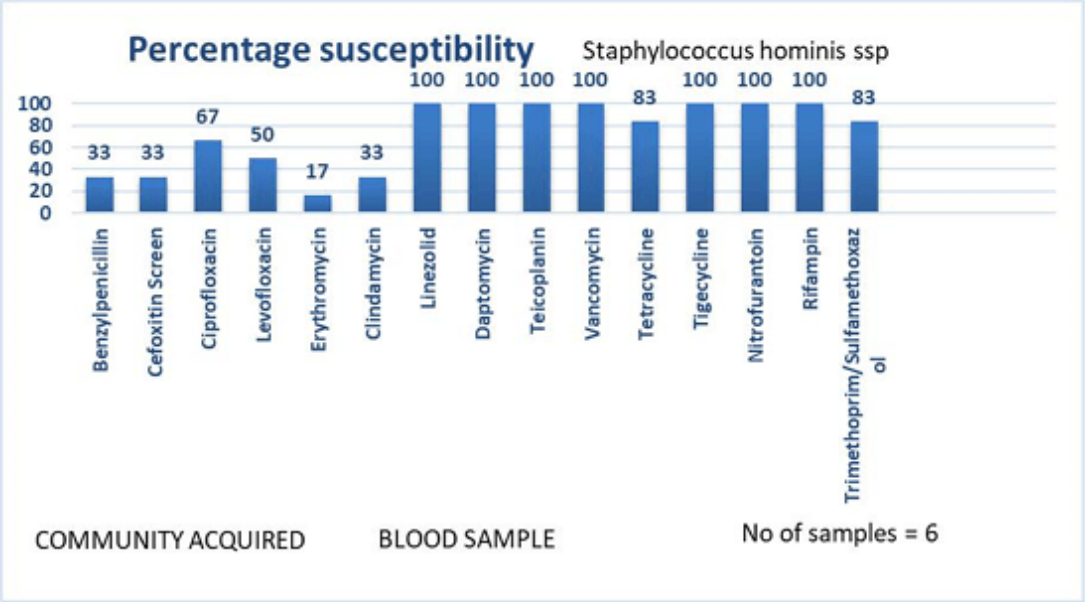
BLOOD INFECTIONS - INDOOR ANTIBIOGRAM

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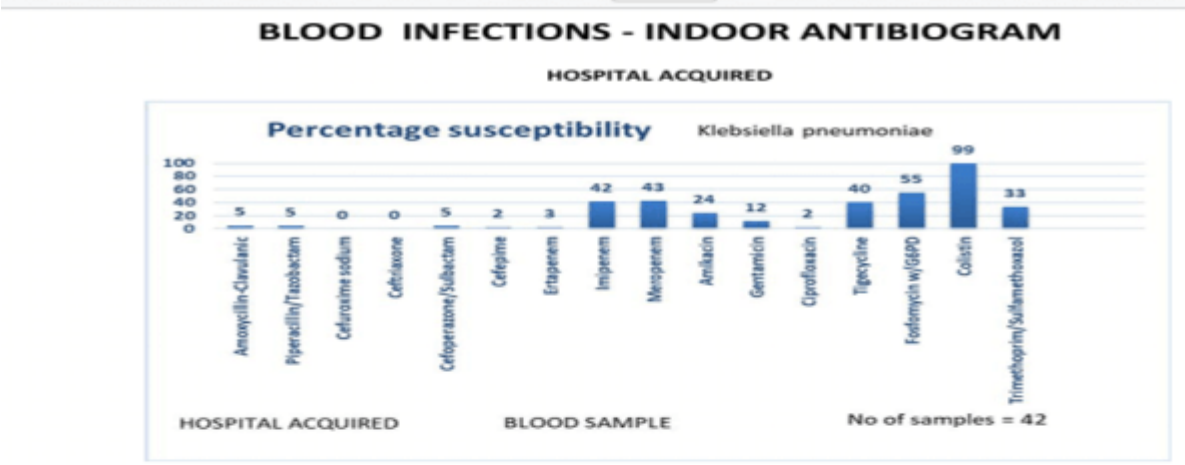


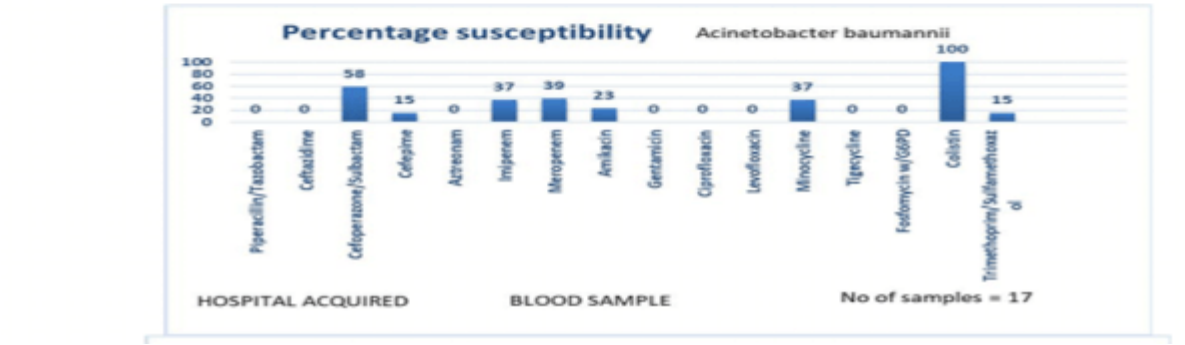
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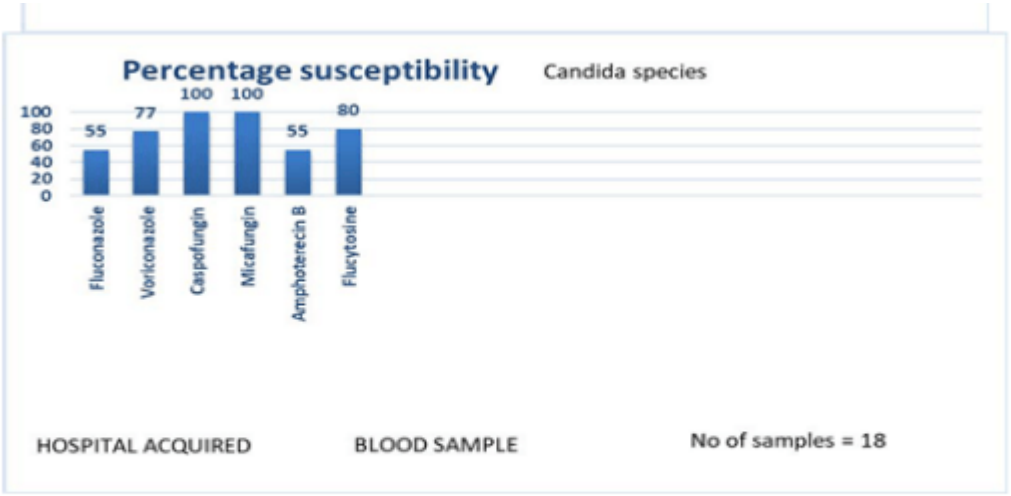
4 cases of Escheichia coli and Pseudomonas spp, 2 cases each of Enterococcus spp, Klebsiella spp and Burkholderia spp, 1 case of CONS

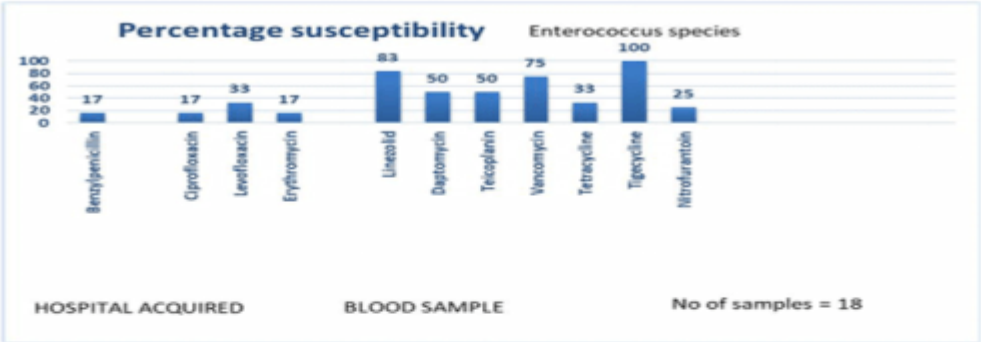
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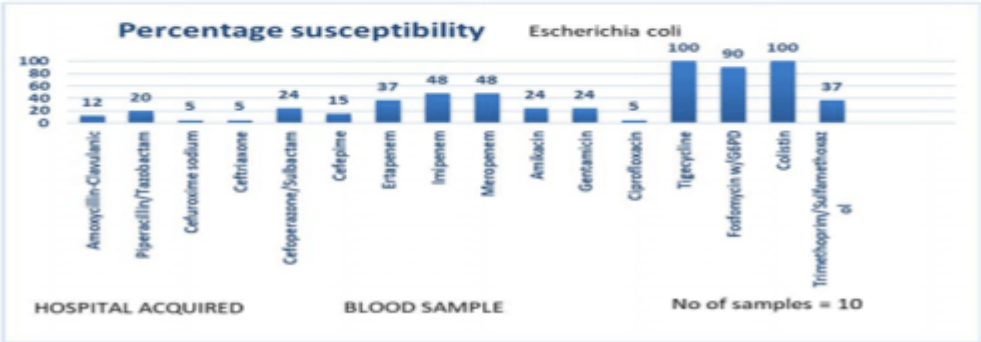




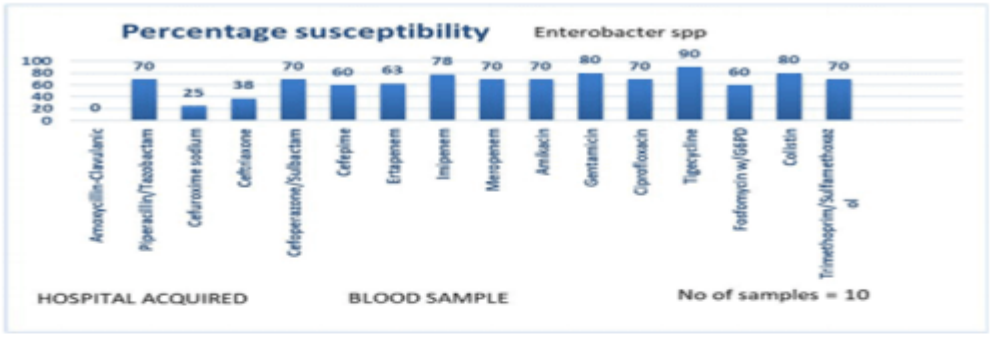
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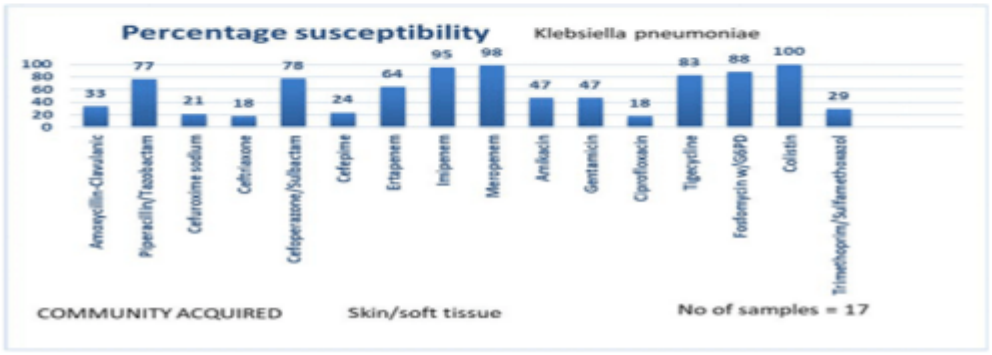
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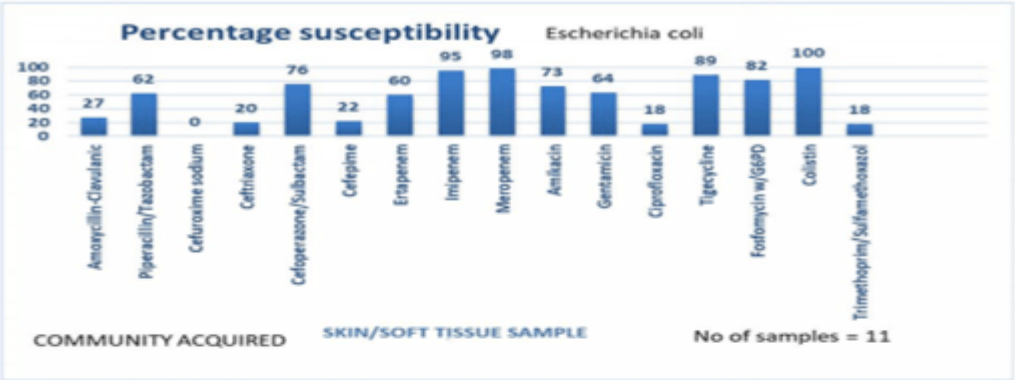
3 cases of Serratia spp, Staphylococcus hemolyticus, CONS and Proteus spp

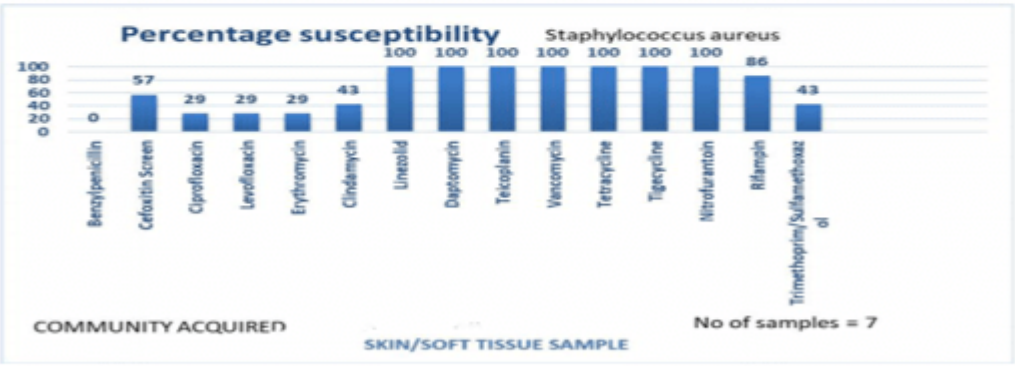
SKIN/ SOFT TISSUE INFECTIONS- INDOOR ANTIBIOGRAM

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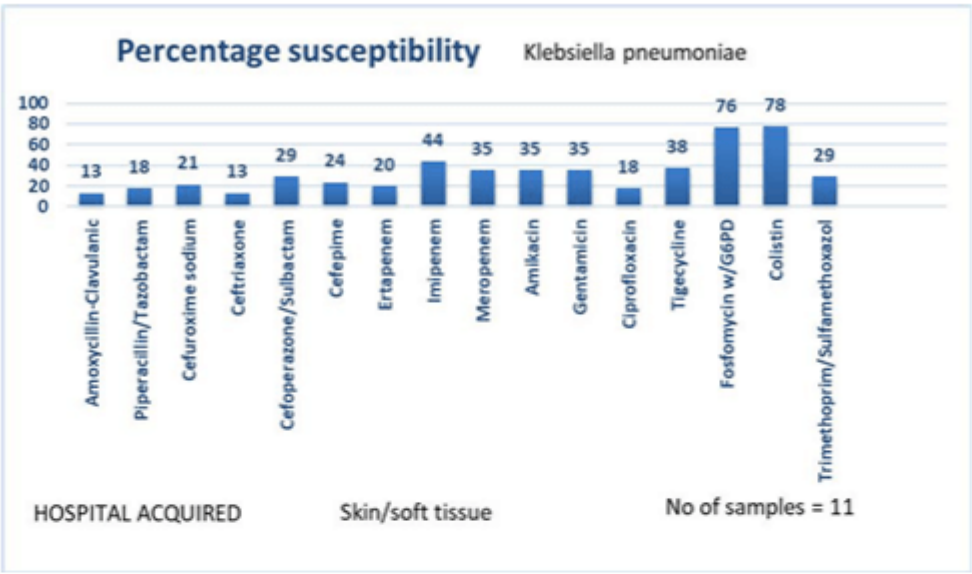


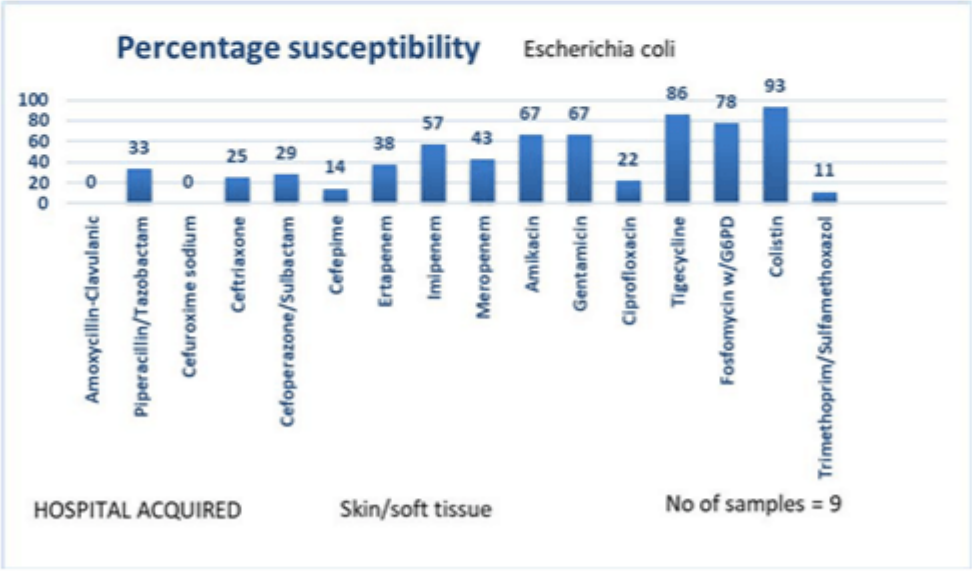


1 cases each of Burkholderia spp and Staphylococcus haemolyticus

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4 cases of Serratia species, 3 cases of Enterococcus species, 2 cases each of Acinetobacter species and Proteus species, 1 cases each of Pseudomonas species, Enterobacter species, and Aeromonas species.

Analysis and Conclusion:

The analysis shows a clear picture of the dominance of Klebsiella followed by Acinetobacter in this part of the country. The sensitivity of these pathogens is very

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scary to see. Pseudomonas, VRE, and MRSA are also in the line, so need to be careful. Judicious use of antibiotics, and combination therapy de-escalation in a timely manner is the need of the hour. Segregation of patients with difficult-to-treat situations can be lifesaving. Currently, Phage therapy, polymeric biomaterials, nanoparticles, and plant-derived products are being in trials but till then we need to be vigilant.

References:

1. Parmanik A, Das S, Kar B, Bose A, Dwivedi GR, Pandey MM. Current Treatment Strategies Against Multidrug-Resistant Bacteria: A Review. Curr Microbiol. 2022 Nov 3;79(12):388. doi: 10.1007/s00284-022-03061-7. PMID: 36329256; PMCID: PMC9633024.
2. Pal N, Sharma P, Kumawat M, Singh S, Verma V, Tiwari RR, Sarma DK, Nagpal R, Kumar M. Phage therapy: an alternative treatment modality for MDR bacterial infections. Infect Dis (Lond). 2024 Jul 17:1-33. doi: 10.1080/23744235.2024.2379492. Epub ahead of print. PMID: 39017931.

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