

**ANTIBIOGRAM**  
**AUG 18-DEC 18**

**BACTERIOLOGY SECTION**  
**DEPARTMENT OF MICROBIOLOGY**  
**AIIMS BHOPAL**

# LIMITATIONS

- MANY
- Only Broad Conclusions Can Be Made
- Variations in Testing Methodology
- Individual Patient Data Not Verified
- Accuracy :  $\pm 20\%$
- No Correlation with Clinical Data

# METHODOLOGY

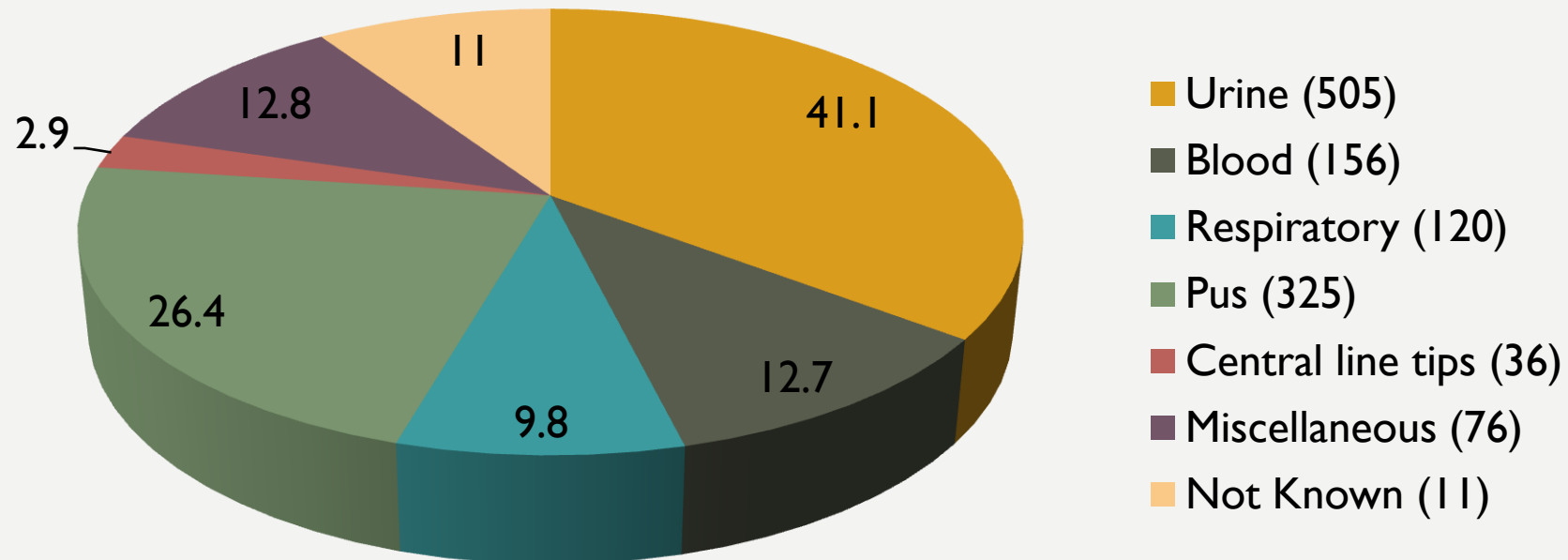
- Duration: August –December 2018 (5 months)
- Duplicates Removed (Within 1 month)
- 1 Patient, 1 Isolate, 1 Site
- Antibigram prepared for a micro-organism (Genus/Species), if there are more than 30 isolates from a clinical sample type.
- Screening isolates removed

# CATEGORY OF SAMPLES RECEIVED IN THE BACTERIOLOGY LAB

- Urine
- Blood
- Pus
- Body Fluids
- Tissue
- Respiratory
  - Sputum, Endotracheal aspirate, Bronchoalveolar Lavage
- Stool

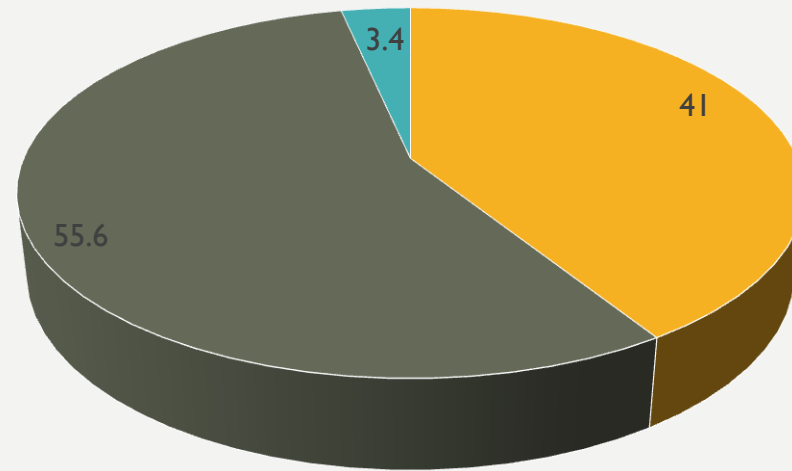
# PROPORTION OF ISOLATES PROCESSED IN VARIOUS CLINICAL SAMPLE TYPES

Clinical Samples (1229)



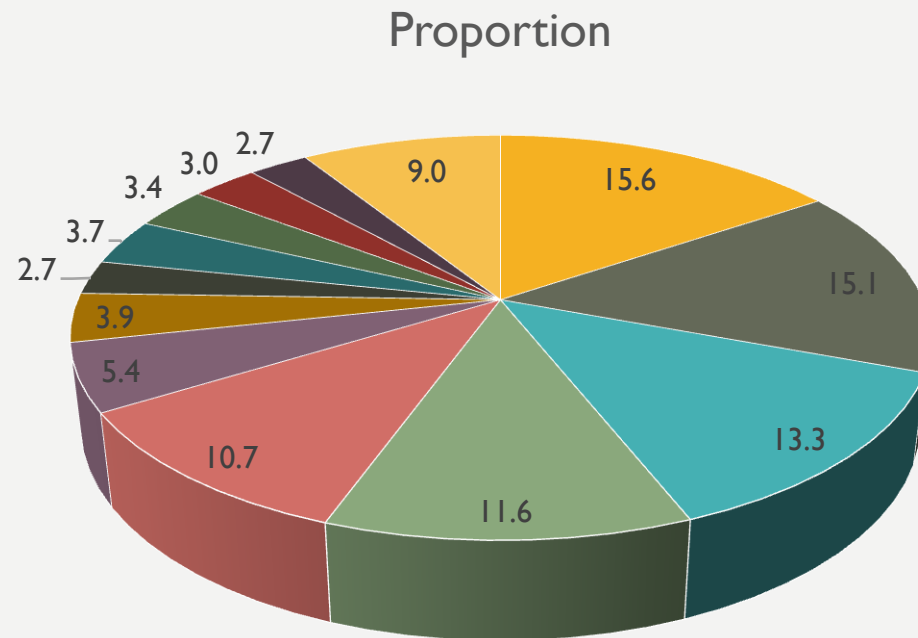
# LOCATION WISE

Proportion



■ OPD (504) ■ IPD (683) ■ Blank (42)

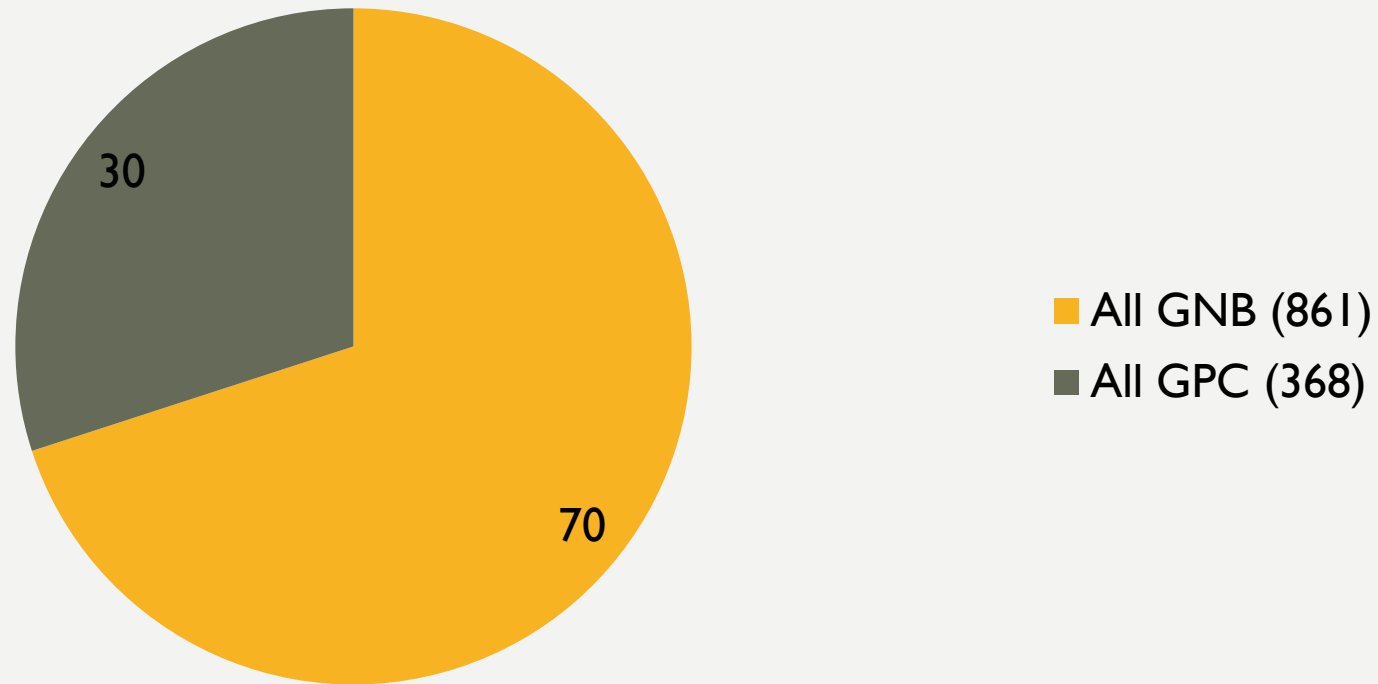
# DEPARTMENT WISE ISOLATES



- Gen Med (192)
  OBGY (185)
  Gen Surg (163)
  Paeds (142)
  MICU (132)
- Ortho (66)
  Pulmo (48)
  Uro (33)
  Nephro (46)
  Derma (42)
- Neuro (37)
  Burn & Plastic (33)
  Others (110)

# PROPORTION OF ISOLATES OBTAINED IN 2018 IN ALL CLINICAL SAMPLE TYPES

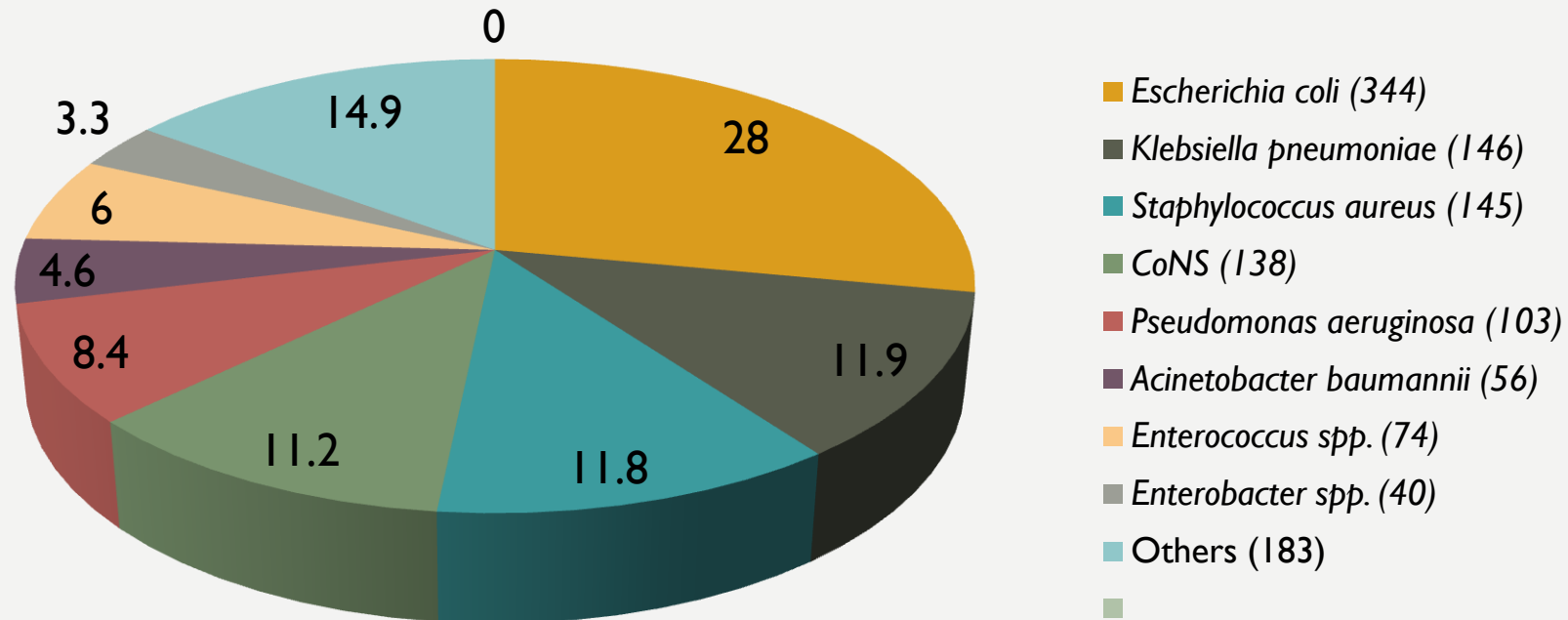
TOTAL ISOLATES (1229)





# TOP 8 MICRO-ORGANISMS (ALL ISOLATES)

Percent



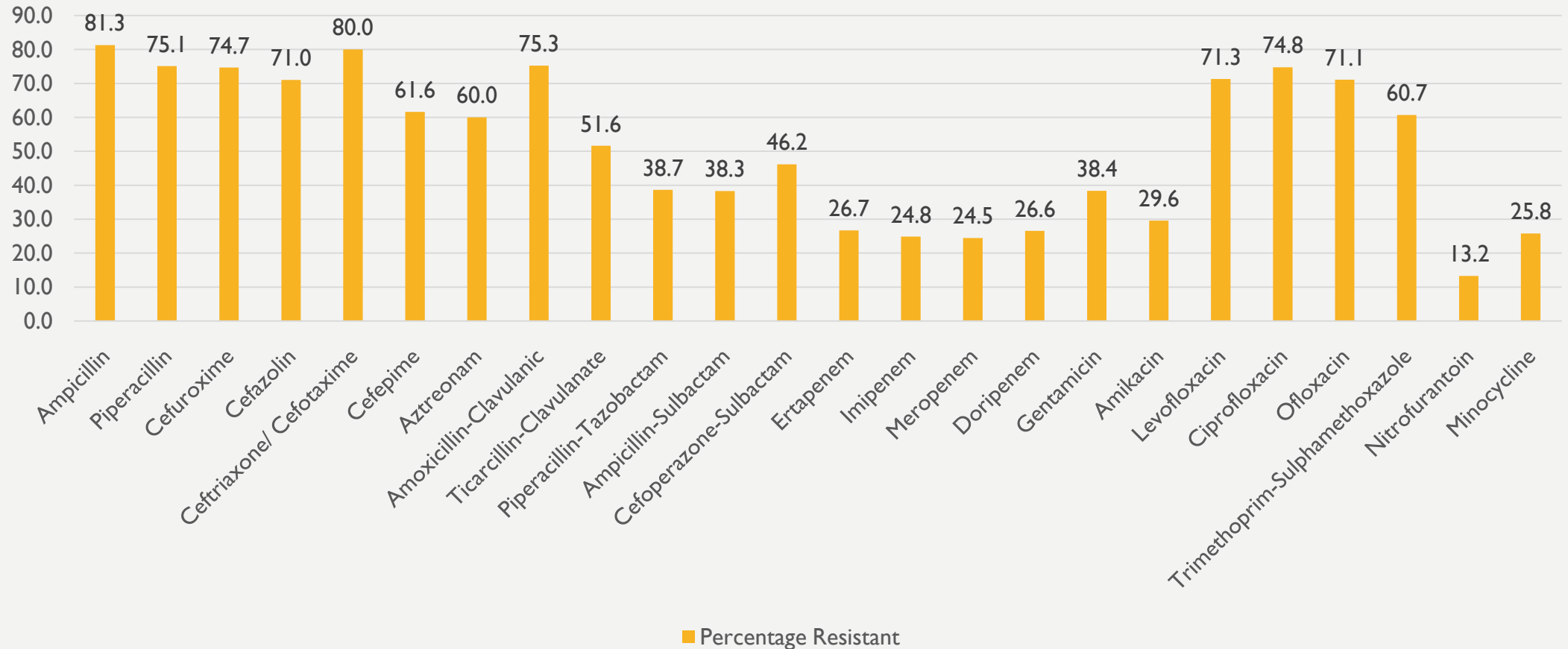
# OVERALL RESISTANCE PATTERN

- *Escherichia coli*
- *Klebsiella pneumoniae*
- *Pseudomonas aeruginosa*
- *Acinetobacter baumannii*
- *Staphylococcus aureus*

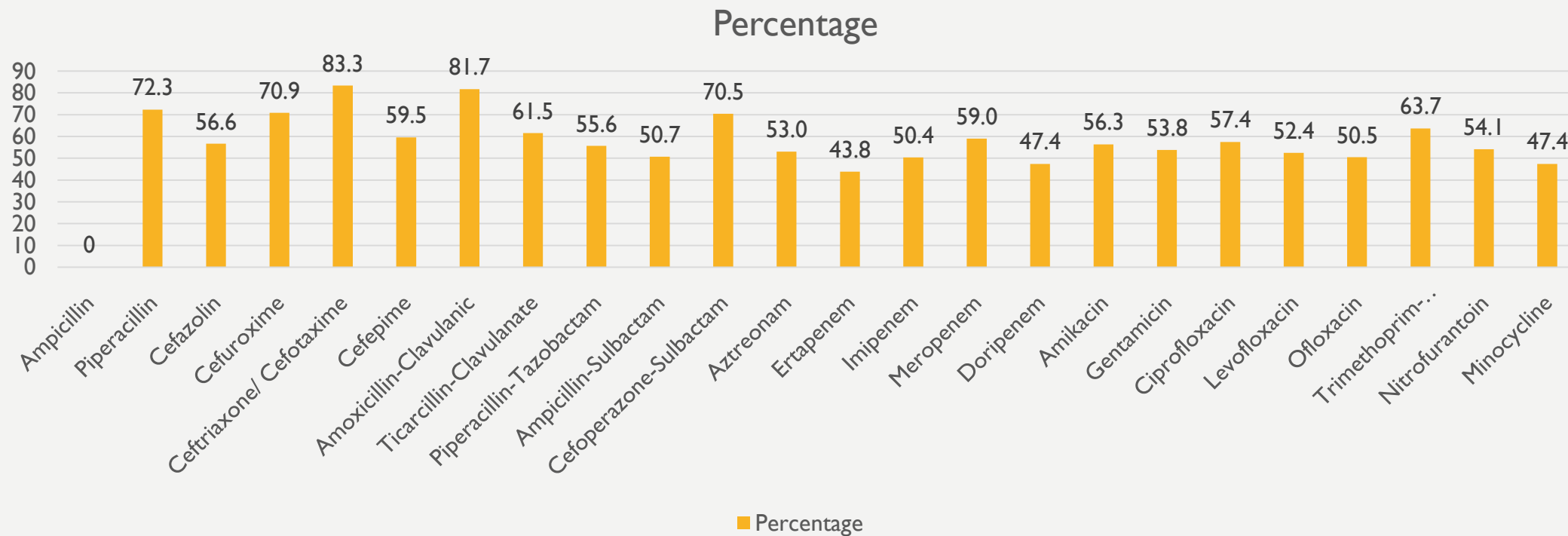
# ESCHERICHIA COLI

## (ALL ISOLATES: 344)

Percentage Resistant



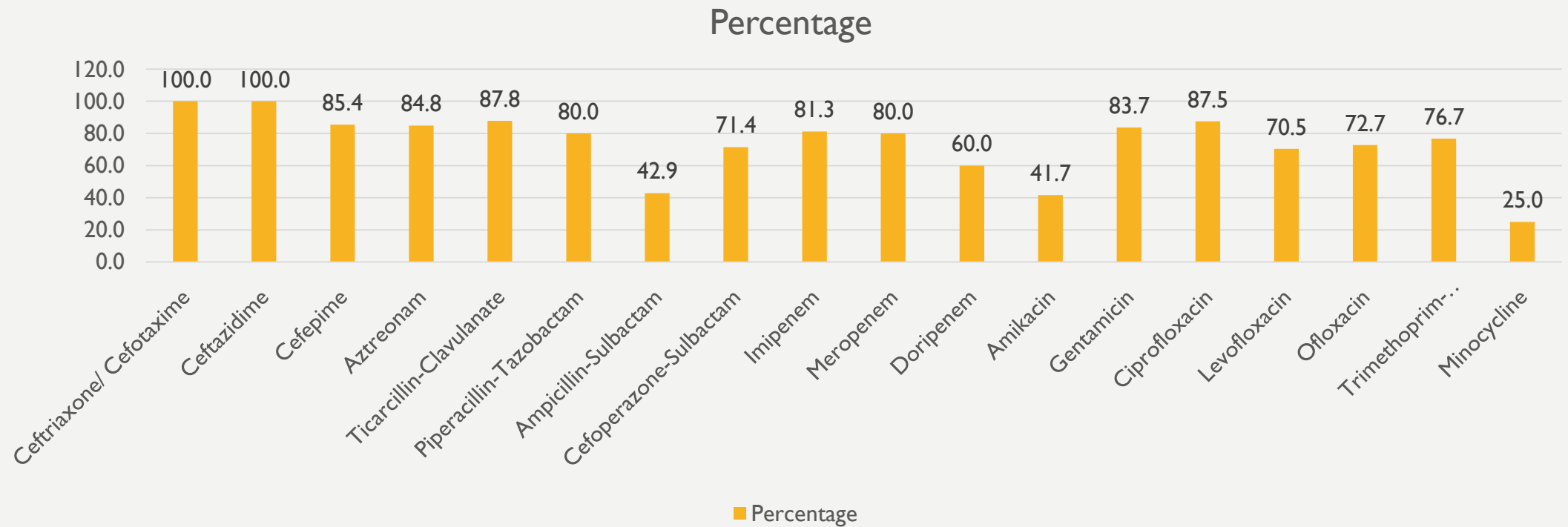
# KLEBSIELLA PNEUMONIAE (ALL ISOLATES: 146)



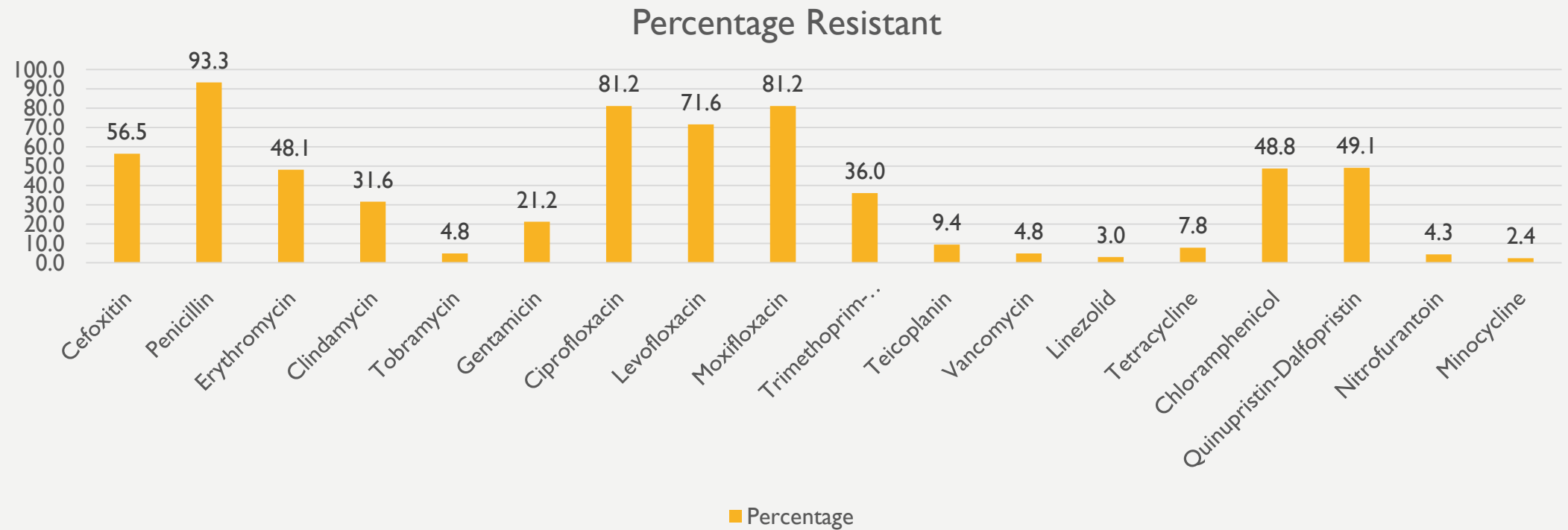
# PSEUDOMONAS AERUGINOSA (ALL ISOLATES: 156)



# ACINETOBACTER BAUMANNII (ALL ISOLATES: 53)



# STAPHYLOCOCCUS AUREUS (ALL ISOLATES: 145)





**THANK YOU**