

Department of Pathology and Immunology

# SECTION OF PATHOLOGY INFORMATICS

**Regional Adult Antibiograms** 

2023

#### **Foreword**

These antibiograms summarize the susceptibility rates of bacteria isolated from clinical specimens collected during the year 2023 and processed in the microbiology laboratory at Barnes-Jewish Hospital. Only the first isolate per patient based on collection time are included in the generation of the antibiograms. Susceptibility rates are presented for organisms where there were at least 30 total tested isolates. Additional susceptibilities are presented for select organism groups as defined in the *glossary*.

Questions regarding these antibiograms and antimicrobial susceptibility testing performed in the Microbiology Laboratory of Barnes-Jewish Hospital should be directed to:

#### Rebekah Dumm, PhD, D(ABMM)

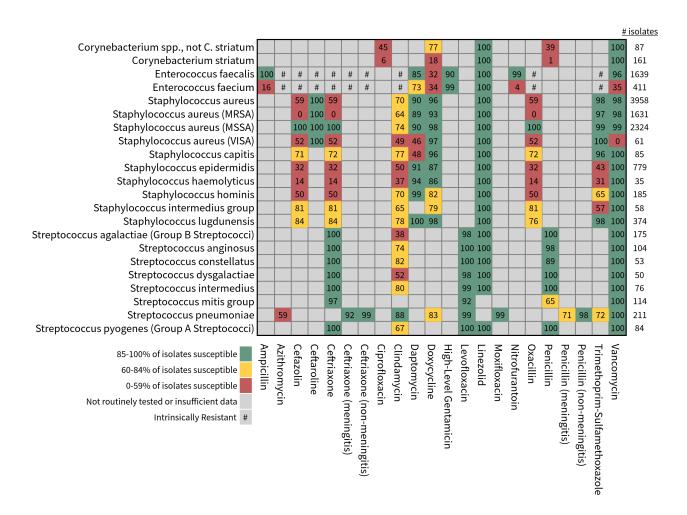
Associate Medical Director of the Barnes-Jewish Hospital Microbiology Laboratory <u>dumm@wustl.edu</u>

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### **2023 Regional Adult: Gram Positive**



Data based on first isolate per patient.

Daptomycin only routinely tested on Staphylococcus isolates recovered from blood or sterile body sites.

Nitrofurantoin only indicated for uncomplicated cystitis.

Streptococcus agalactiae (Group B Streptococci) only routinely tested if recovered from blood or sterile body sites.

Streptococcus dysgalactiae only routinely tested if recovered from blood or sterile body sites.

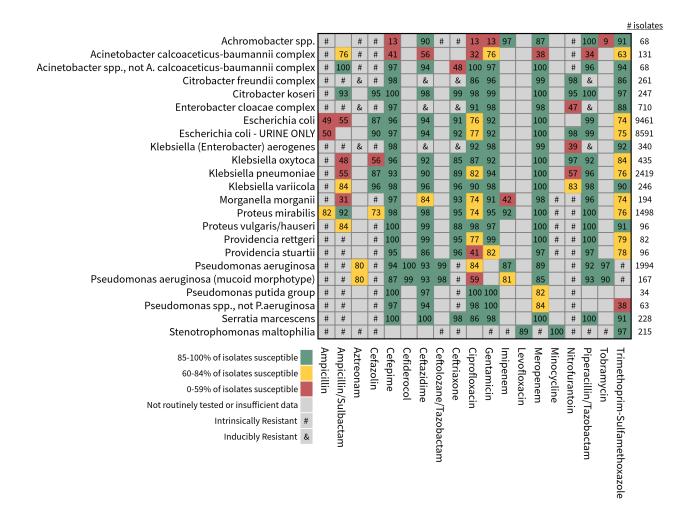
Streptococcus pyogenes (Group A Streptococci) only routinely tested if recovered from blood or sterile body sites.

**Hospitals Included:** Alton Memorial Hospital, Barnes-Jewish Hospital, Christian Hospital, Memorial Hospital, Parkland Health Center, St. Louis Children's Hospital

**Ages:** Adult (≥18 years)

**Collection Setting:** Inpatient, Outpatient, and Emergency Department

### **2023 Regional Adult: Gram Negative**



Data based on first isolate per patient.

Nitrofurantoin only indicated for uncomplicated cystitis.

Serratia marcescens data limited due to protocol changes in October 2023.

**Hospitals Included:** Alton Memorial Hospital, Barnes-Jewish Hospital, Christian Hospital, Memorial Hospital,

Parkland Health Center, St. Louis Children's Hospital

**Ages:** Adult (≥18 years)

**Collection Setting:** Inpatient, Outpatient, and Emergency Department

### **Glossary**

#### **Abbreviations**

MRSA: Methicillin resistant Staphylococcus aureus
MSSA: Methicillin susceptible Staphylococcus aureus
VISA: Vancomycin intermediate Staphylococcus aureus

#### **Organism groups**

Corynebacterium spp., not C. striatum: Corynebacterium accolens, Corynebacterium amycolatum, Corynebacterium aurimucosum / minutissimum, Corynebacterium bovis, Corynebacterium diphtheriae, Corynebacterium freneyi, Corynebacterium glucuronolyticum, Corynebacterium imitans, Corynebacterium jeikeium (JK Group), Corynebacterium kroppenstedtii, Corynebacterium macginleyi, Corynebacterium propinquum/pseudodiphtheriticum, Corynebacterium pseudodiphtheriticum, Corynebacterium riegelii, Corynebacterium spp., Corynebacterium tuberculostearicum, Corynebacterium ulcerans, Corynebacterium urealyticum

Corynebacterium striatum: Corynebacterium striatum, Corynebacterium striatum/ simulans

**Pseudomonas aeruginosa**: Pseudomonas aeruginosa, Pseudomonas aeruginosa (mucoid morphotype), Pseudomonas aeruginosa group

**Pseudomonas spp., not P.aeruginosa**: Pseudomonas fluorescens group, Pseudomonas luteola, Pseudomonas oryzihabitans, Pseudomonas otitidis, Pseudomonas putida group, Pseudomonas spp., Pseudomonas spp., not Pseudomonas aeruginosa, Pseudomonas stutzeri

GLOSSARY

# **Report Log**

Report Generation Date and Time

2024-04-18 10:23

Report Generation Software

https://github.com/WUSM-LGM-Informatics-Section/resistalytics

v2023.0.0-12-g4c5fcd7

4c5fcd719b09b390df805a30f7358534a5b98046

Software Written and Maintained by

<u>Section of Pathology Informatics</u>

Contact Information for Support and Issues

pathinformatics@wustl.edu

REPORT LOG