

Antimicrobial Susceptibility and Microbial features of Orthopaedic infection in the Western Cape, South Africa

Justyna Wojno^{1,2}, Maritz Laubscher^{3,4}, Thomas Hilton^{3,4}, Kevin Rebe³, Ying Zhao³, Helen Van der Plas³

2Department of Pathology, Division of Medical Microbiology, University of Cape Town, Cape Town, South Africa, 3Life Vincent Pallotti Hospital, Cape Town, South Africa, 4Orthopaedic Research Unit (ORU), Division of Orthopaedic Surgery, Groote Schuur Hospital, University of Cape Town, Cape Town, South Africa



Study Period:

July 2016 – July 2025



Patients Studied:

835



Culture Positive Rate

77%

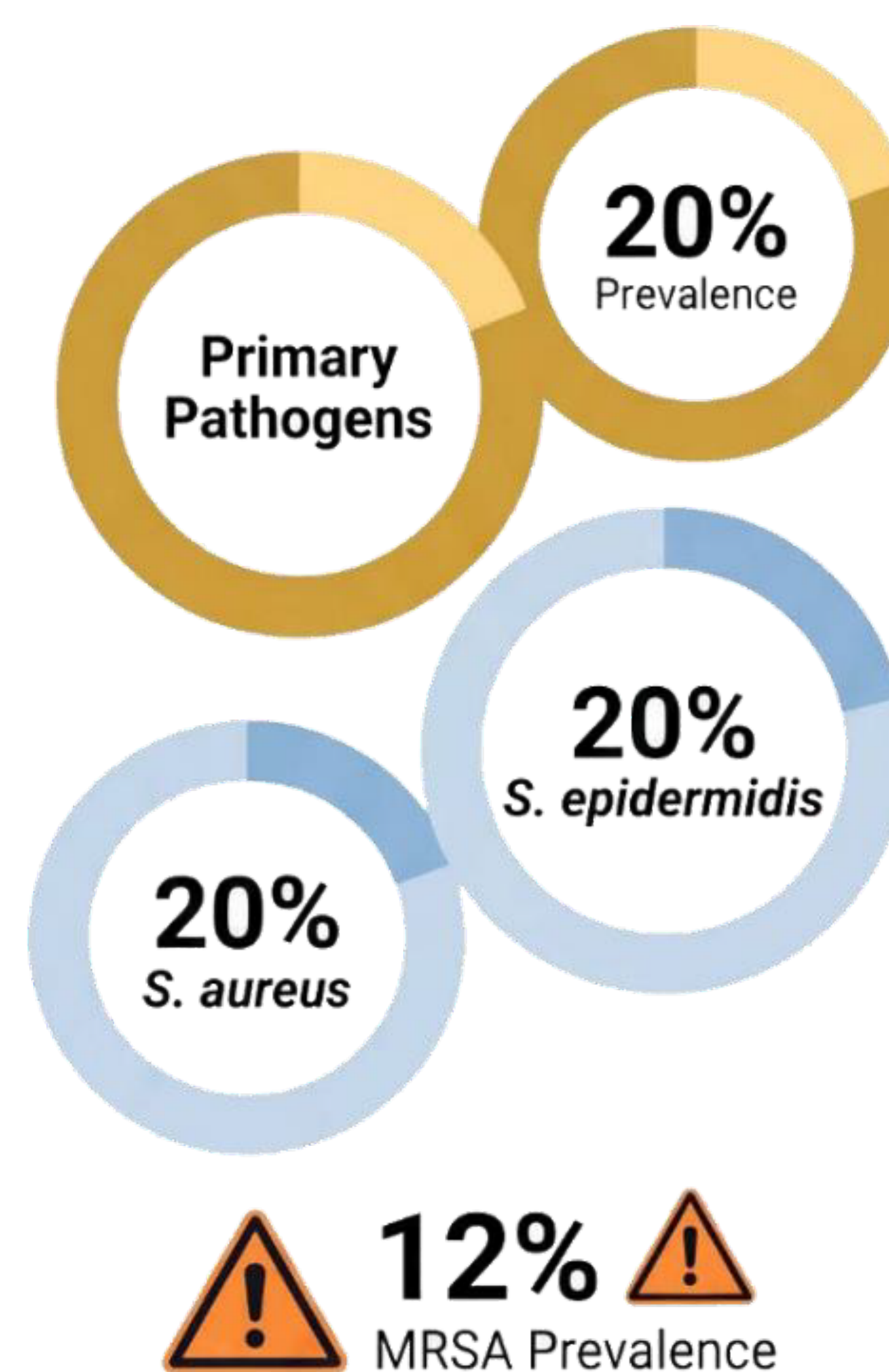
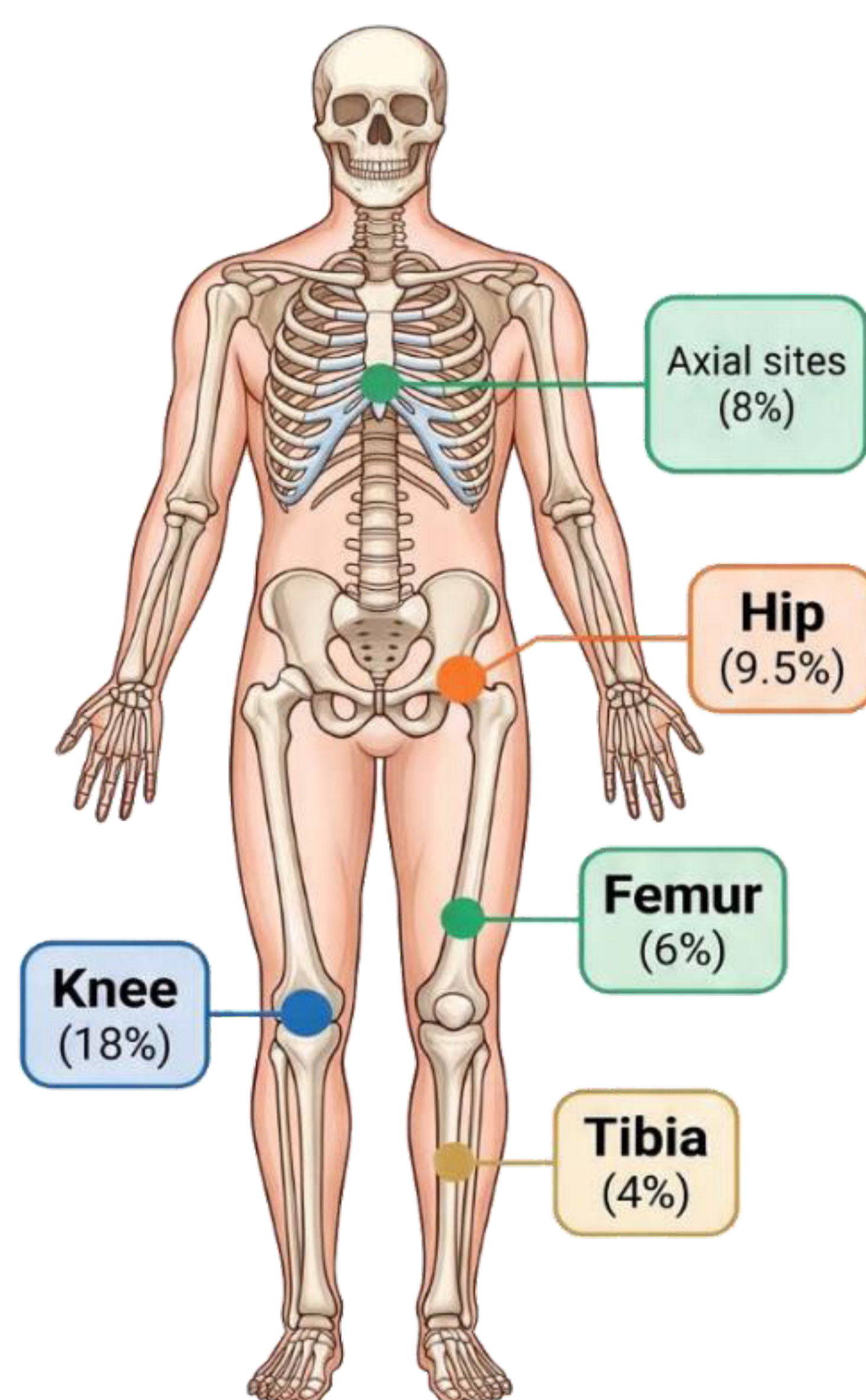


Table 4: Antibiotic Regimen Coverage

Regimen Type	Combination	Patient Coverage (%)
INTRAVENOUS	Meropenem + Linezolid	83%
	Meropenem + Vancomycin	82%
	Cefepime + Vancomycin	81%
	Piperacillin-tazobactam + Vancomycin	72%
ORAL	Ciprofloxacin/Levofloxacin + Rifampicin	60%
	Ciprofloxacin/Levofloxacin + Co-amoxyclav	60%
	Doxycycline + Ciprofloxacin/Levofloxacin	57%

