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## A Review on Culture and Sensitivity Reporting and Hospital Acquired Infections in India

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**ABSTRACT:** Healthcare-associated infections (HAIs) are infections that are acquired during a visit or stay at a healthcare institution rather than being present or incubating at the time of hospital admission. HAIs is caused by a diverse assay of pathogens, including bacteria, viruses, fungi & and other microorganisms. HAIs contribute to the emergence of antibiotic-resistant organisms. Exacerbating the global challenge of AMR. Prevalence of Gram-positive & Gram-negative Bacteria. Staphylococcus aureus 94% resistant to amino penicillins, Salmonella Typhi 37% resistantto fluoroquinolones, and Klebsiella pneumonia 99% resistant to Escherichia coli 84% to aminopenicillins. The Reviewincludes Risk factors and challenges in prevention and control.

**Keywords:** HAIs, Nosocomial infections, Antimicrobial resistance, morbidity, mortality.

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