



## Antibiotic Resistance and Antimicrobial Stewardship in Children

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### Message from the Guest Editors

Dear Colleagues,  
Antimicrobial resistance is a global healthcare challenge. Antibiotics, while vital, promote bacterial resistance when misused. Poor infection prevention and control in communities and hospitals fuels bacterial spread and antibiotic use. Multi-drug resistant hospital-acquired infections are prevalent in intensive care, oncology units and neonatal settings, with poorer outcomes. Antibiotic stewardship aims to improve outcomes by adhering to evidence-based guidelines on dose, duration, and administration. Reducing misuse slows resistance and prolongs antibiotic effectiveness. Children have unique characteristics and deserve special attention in stewardship programmes. Whilst these programmes are often highlighted in the hospital setting, there is additional need in the community, where most antibiotics are prescribed. This Special Issue seeks multidisciplinary perspectives on paediatric and neonatal antibiotic stewardship. We invite submissions from healthcare providers, microbiologists, public health specialists, epidemiologists, and social scientists to discuss reducing antimicrobial resistance through stewardship programmes in paediatric communities and hospitals.

