

Title: Antimicrobial Stewardship - Preventing adverse events and saving Costs

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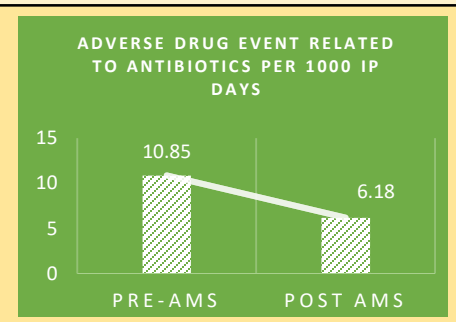
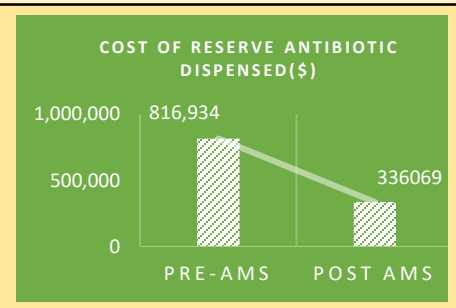
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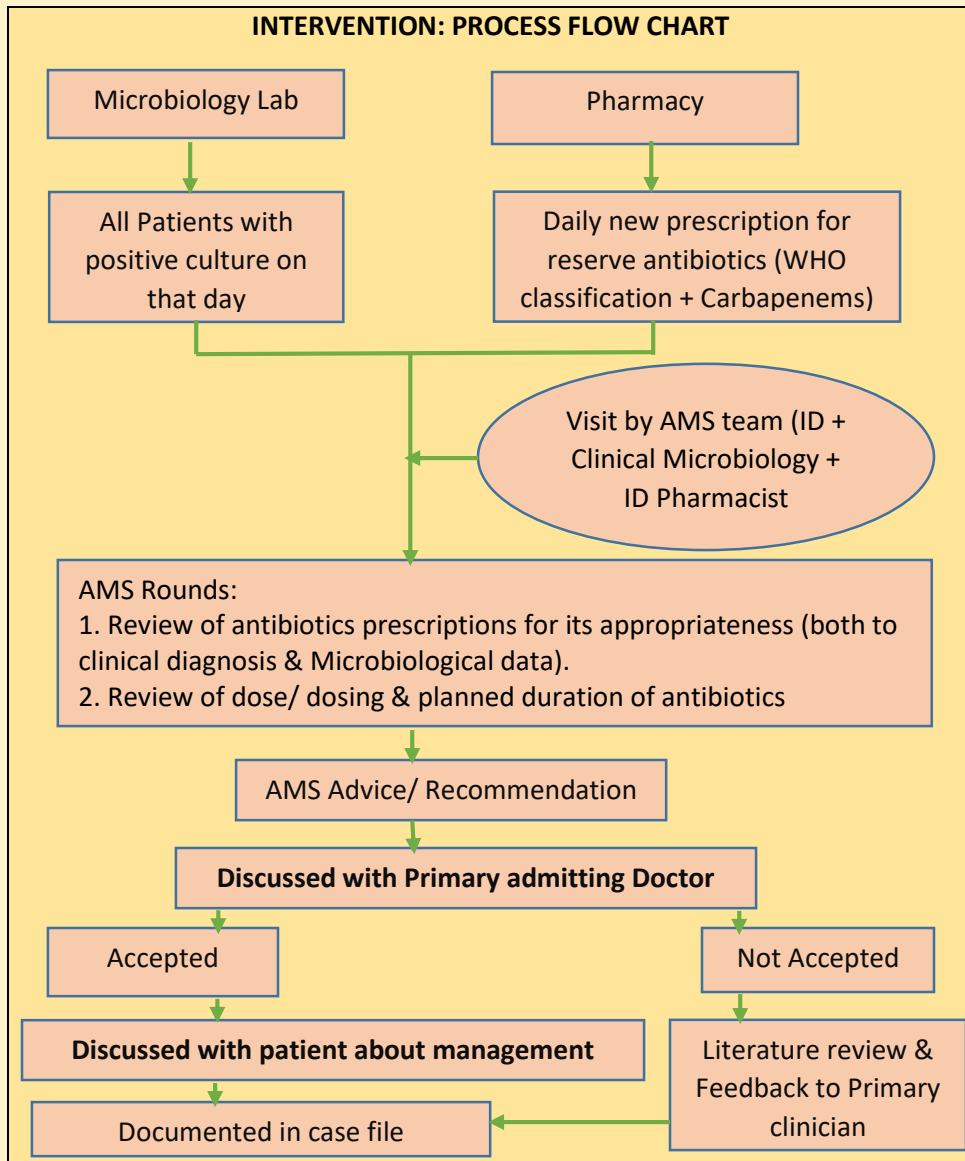
BACKGROUND

With the looming threat of antimicrobial resistance in the South East Asia and India, controlling the antibiotic use has a major patient safety impact.

The biggest challenge faced by any AMS Program is the failure to comply with the AMS recommendations, or non-alignment of the stakeholders with the AMS goals.



INTERVENTION: PROCESS FLOW CHART



MEASUREMENT

Measure	Pre-AMS	Post-AMS	% Reduction
Cost of Reserve antibiotic dispensed	816,934\$	336,069\$	59%
Adverse drug event related to antibiotics per 1000 IP days	10.85	6.18	43%
CDAD per 1000 IP days	0.05	0.03	40%
<i>In-patient cost (6 months) = Man hours spend = 17059\$</i>			

Conclusion:

- Our program is unique in the way we have incorporated the patients as a stakeholder into the discussion and implementation, along with the primary treating team in a consensus based strategy.
- We have more than 85% acceptance rate to the AMS interventions.
- We have achieved >50% reduction in select antibiotic use (saving pharmacy costs) with lesser clinical adverse events

Reserve Antibiotics: Polymyxins, Tigecycline, Fosfomycin, Aztreonam, Daptomycin, Cefepime, Carbapenems, Linezolid, Minocycline